Ms. 5100/1. Granitári. Eötvös Loránd,
Közéleti, Tanügyi írásai

Gravirkaer.

Nagy Imrének

Életéből.

Temzi. Kövendújfalu.

1849

Nagyon lapos erdők —

1891 / január 26.

400	—	24m.	9·1			
350	—		30·5			
330	—		39·2	—		
300			52·4	0		
290	—		56·5			
280	—	24m.	60·8			
270	—	25m.	5·4			
260	—		9·5			
250	—		14·2			
220	—		26·5			
200	—	3h. 25m.	36·6			
200	—	37m.	58·3			
270	—	38m.	9·6			
250	—		26·6			
260	—		32·2			
270	—		38·0			
280	—		43·5			
290	—		49·2			
300	—	38m.	55·1	0		t_0
330	—	39m.	12·3	—		
350		39m.	23·5			
350		52m.	59·5			
340	—	53m.	6·7			
330	—		14·4	—		
320	—		21·8	1	23,7	l_0'
310	—		29·5	+		
300	—		37·2	0		
290	—		44·4			
280	—	53m.	52·5			
300	—	7m.	27·30			
310	—		37·2	+		
320	—		47·21		44,7	
330	—		57·3	—		

Transversal alles

kerek hőmér. 29·4.

330	—	21m.	47·2			
320	—	22m.	0·11		3,5	
315	—		6·90			
310	—		13·4	+		
300	—	22m.	26·9			
28m. 50s.			137·6 ℓ			
300	—	35m.	54·4			
310	—	36m.	11·7	+		
315	—		20·50		24,9	
320	—		29·21			
330	—	36m.	47·0			
43m. 10s.			454·1 ℓ			
320	—	50m.	37·21		43,6	
315	—		49·50			
300	—	51m.	1·0	+		
5 ℓ m. 10s.			214·2 ℓ			
300		4m.	42·0	+		
315			57·00		4,6	
320		5m.	12·21			
10m. 35s.			395·7			
370		19m.	13·71		28,8	
315		=	34·00			
300			57·5	+		
26m.			258·3 ℓ			
300		33m.	6·0	+		
315		33m.	32·00		45,5	t_8
370			59·01			
40s.		10m.	362·0 ℓ			
320	—	48m.	46·01			
215	—	48m	22·00		41,0	
310	—		58·0	+		t_8'
			283·8 ℓ			
			343·0 ℓ			

39,8
40,2
40,1
39,7

Elcsapódás

317·1
239·9
181·5
137·4
103·7
78·3
59·3

Csillapodás

0·357
357
357
357
3574
357
357

Egyensúlyhelyzet

317·5
317·6
317·5
317·5
317·6
317·5

T

859·37		859·7
860·0		859·2
860·0		860·6
859·4		859·9
860·3	860·2	859·6
859·9	859·7	859·7
860·2	860·4	860·3
860·2	860·4	860·4
860·4	860·5	860·2

859,7) 1719,20
859,6) 1719,90
860,8) 1719,95
859,65) 1719 68
860,03) 1719,80
859,77) 1720,07
860,30) 1720,63
860,33) 1720,70
860,37

$\Sigma = 1720,176$

$T = 860,088$

189
340
290
280
190
140

140
190
240
290
340

340
290
240
190
140
hóha
nerg

220
230
240
250

240
230
220

220
230
240

250
240
230
220
230
240
250
240
230
7015

1891. januárius 27. d.u.

340	2	4	27.2		
290			37.4	10.2	
280			47.9	10.5	
190			58.0	10.1	
140		5	8.5	10.5	
140		15	6.2		
190			19.0	12.8	
240			31.4	12.4	
290			44.2	12.8	
340			57.1	12.9	
340		25	43.9	15.3	
290			59.2	12.7	
240		26	11.9	18.6	15,1
190			30.5		
140			46.4	15.9	

hőhányás miatt alsneuel Korben
nergésbe jött.

220		36	49.9	3.6	
230			53.5	3.9	t₀
240			57.4	3.9	57,2
250		37	1.3		
240		47	39.3	4.6	39,6
230			43.9	4.9	
220			48.8		
220		58	9.9	5.7	
230			15.6		21,2
240			21.4	5.8	
250	3	8	55.1		
240		9	2.3	7.2	2,6
230			9.3	7.0	
~~220~~					
230		19	36.0		
240			44.5	8.5	44,0
250			53.4	8.9	
448.2		25	0		
250		30	14.1		
240			24.9	10.8	25,5
230			36.0	11.1	
7015		35	40		

230	3	40	54.0	13.7	
240		41	7.7	13.3	7,0
250			21.0		
376.95		46	20		
245		51	34.2		
240			47.0	7.8	hirtelen!
235			55.8	8.8	47,8
1880		57	0		
					→ itt Kalapommal
235	4	2	20.2		
240			30.3	10.1	a tárcsához
245			40.5	10.2	ért. 29,3
		Erősen rezeg!			
330.0		7	45		
242		13	4.3		
240			9.2	4.9	
238			14.3	5.1	10,5
1660		18	25		
238		23	47.0		
240			53.2	6.2	
242			59.7	6.5	57,6
299.05		29	5		
242		34	23.4		
240			30.9	7.5	23,5 32,9
238			38.9	8.0	
		Erősen rezeg!			
1905		39	50		t_{12}
238		45	7.3		
240			16.4	9.1	23,60 14,5
242			25.9	9.5	
2795		50	30		
242		55	41		L'_{12}
240			52.3	11.2	
238		56	4.1	11.8	~~23,5 55,2~~ 23,65 54,4
207.7	5	1	10		
238		6	25.4		
240			39.2	13.8	~~23,50 35,7~~ 35,8
242			54.2	15.0	
2656		11	45		

Tizenkettes 3°8 C.

448.2								
70.15	378.05	57755	90 931	0.8115	25804	31951	208.7	239.5
376.95	306.8	48686	90 925	8114	25802	22884	169.37	239.5$_0$
128.0	248.95	39 611	90 924	8114	25802	13.805	137.43	239.5$_0$
330.0	202.0	30 535	90 949	8119	25814	04721	111.5	239.5
166.0	164.0	21 484	90 918	8113	25799	95685	90.54	239.45
299.05	133.05	12 402	90 940	8117	25805	86593	73.44	239.45
191.05	108.0	03 342	91 057	8139	25862	77480	59.54	239.5$_0$
278.95	87.9	94 399	90 879	8106	25782	68617	48.54	239.60
207.7	71.25	85278	90 990	8126	25830	59448	39.31	239.65
265.6	57.9	76 268						

legyen most

641,5
641,5) 1283,0
641,8) 1282,3
641,5) 1282,0
641,2) 1282,7
641,1) 1282,3
641,5) 1282,6
641,5) 1283,0

$\bar{\lambda} = 1282,6$

$\bar{T} = 641,3$

1891. januarius 28.

240	2h	40	16.2					315	4h	20	58.8				
260			24.2	8.0				313		21	4.2	5.4			4.79
280			32.1	7.9				311			10.1	5.9			
300			40.2	8.1				22.8.2		28	0				
320			48.1	7.9				311		35	20.0				
340			56.2	8.1				313			27.3	7.3			26.39
360		41	4.3	8.1				315			34.9	7.6			
360		54	39.4					376.75		42	25				
340			50.0	10.6				315		49	35.0				
320		55	0.4	10.4				313			44.9	9.9			45.40
300			11.0	10.6				311			55.0	10.1			
280			21.8	10.8				264.8		56	45				
260			32.5	10.7				311	5h	4	54.4	13.4			7.13
240			43.5	11.0				313			7.8	13.0			
270	3h	8	34.9					315			20.8				
260			48.3					349.25		11	0				
280		9	2.3					314		18	46.9	8.4			
300			16.2	14.0				313			25.3				
320			30.2					312			34.0	8.7			
340			44.3					285.2		25	30				
360			58.9												
330		23	28.2												
320			37.2	9.0											
310			46.5	9.3											
300			56.0	9.5											
290		24	5.4	9.4											
542		30	35												
300		37	49.8												
305			56.0	6.2											
320		38	2.0	6.0											
315			8.2	6.2											
320			14.2	6.0											
508.1		44	50												
315		52	21.0												
310			29.1	8.1											
305			37.2	8.1											
165.05		59	20												
305	4h	6	29.5												
310			40.0	10.5											
315			51.1	11.1											
424.5		13	40												

t0 1° 5,3 0,53 3,71 55m 4,1

t0' 9=25,3 302 42 253

t8 t8'

Objectiv 290 en.

Temperatura 4°0 C.

٥٧٠٢	٧٥٣٩	٥٤٤٩٥	٢٧٥٥	٢٧ ٧٥٢	٧١ ٢٧٧	٢٥٤٠٥	٣١٢٦
٤٥٥٠١	٣٧٣٠٢	٥٣ ٥٧٩	٩٧٤٥٤	٢٧٠٧٥٦	٢٩٥٩٢	١٩٥٧٧	٣١٢٦
١٤٥٠٥٤	٢٥٩٠٥	٧١ ٧١ ٧	٩٧٨٩٩	٧٥٤٥	٢٧ ٧٥٦٦	١٤٩٧٦	٣١٤٠٤
٧٢٧٠٥٢	١٩٥٠٣٢	٢٩ ٣٥ ٣	٩٧٨٨٥	٧٥٤٥	٢٧ ٧٥٦٦	٥٧٨٣٥	٣١٢٠٦٥
٢٥٨٠٢	١٧٩٠٤٥	١٦ ١٤ ٤	٩٧٧١٠	٦٥٣٤	٢٧ ٣٩٣	٩٢٦٩٤	٤٢٦٠
٢٥٧٠٤	١١١٠٩٢	٥٧ ٩٥ ٢	٩٧٦٢٤	٧٤٧٧	٢٧ ٧١٣	٤٥٧٩٤	٣١٤٠٩
٣٧٩٠٢٥	٤٧٠٧٢	٩٥ ٦٤ ٥	٩٧٩٩٢	٧٥٢٧	٢٧ ٥١٢	٤٨١٧٤	٧٤٨٠٤
٢٤٥٠٢	٤٧٠٥٢	٨٥ ٤٥ ٢					٣١٢٠٤

$$\left.\begin{array}{l} \text{٤٥٤٠٧٤} \\ \text{٤٧٦٠٤٤} \\ \text{٤٥٤٠٤٢} \\ \text{٤٧٦٠٤٠} \\ \text{٤٧٦٠٦٥} \\ \text{٤٧٦٠٦٣} \end{array}\right\} \begin{array}{l} \text{١٦٢٥} \\ \text{١٦٢٥} \\ \text{١٦٢٥} \\ \text{١٦٢٥} \\ \text{١٦٢٥} \\ \text{١٦٢٥} \end{array} \left.\begin{array}{l} ,٧٤ \\ ,٤٤ \\ ,٤٢ \\ ,٤٠ \\ ,٦٥ \\ ,٦٣ \end{array}\right\} \quad \bar{\mu} = ١٦٥,٥٢ \quad \bar{\tau} = ٤٦٥,٠٤٥$$

Temp. 90°.

1891. Januárius 29.

190	3h	4m	33·8				260	5h	2	38·2					
240			38·8	5·8			255			43·9	5·7				
290			44·5	5·7			250			49·4	5·5			42·36	
							966		7	55					
290			28·0												
240		15	35·1	7·1			250		13	15·0					
190			42·3	7·2			255			22·1	7·1			24·00	
							260			29·4	7·3				
190		26	7·4				385·85		18	35					
240			16·2	8·8											
290			25·1	8·9			260		23	58·2					
				λ = 5,10			255		24	7·1	8·9	5,3		4·96	
310		36	53·6				250			15·9	8·8				
260		37	4·6	11·0	57	5,3 λ									
210			15·4	10·8			150·95		29	25					
210		47	36·4				254		34	42·2					
260			50·0	13·6			256			46·5	4·3			46·72	
310		48	3·1	13·1			258			50·9	4·4				
							341·3		40	5					
290		58	21·1												
260			31·0	9·9			258		44	22·5					
230			41·0	10·0			256			27·8	5·3			27·67	
							254			33·0	5·2				
230	4	9	3·6	12·4			186·85		50	45					
260			16·0	12·1											
290			28·1				254		56	2·4					
							256			8·9	6·5			9·06	
280		19	49·7	4·5			258			15·2	6·3				
260			54·6		56–59,6										
250			59·5	4·9			312·15	6	1	25					
250		30	34·3	6·1			258		6	41·9					
260			40·4		38		256			50·3	8·4			50·50	
270			46·5	6·1			254			58·4	8·1				
				λ = 1,45			210·2		12	5					
555·9		35	51												
265		41	13·0		19,70		254		17	21·3					
255			20·4	7·4	19·36		256			31·2	9·9			30·70	
285			28·2	7·8			258			41·4	10·2				
13·6		46	35				293·05		22	45					
							257		28	6·8					
245		51	50·9				256			12·4	5·6			12·40	
255		52	0·1	9·2	1.38		255			18·7	6·3				
265			9·6	9·5			225·95		33	30					
453·1		57	15				255		38	46·2					
							256			53·8	7·6			53,38	
							257		39	1·4	7·6				
							280·4		44	10					

555.9	5423	73424	90872	8104	25778	47646	299.5$_4$	256.3$_5$
13.6	439.5	64296	90910	8111	25794	38502	242.6$_7$	256.3$_5$
453.1	356.5	55206	90921	8113	25799	29407	196.8$_2$	256.3
96.6	289.2$_5$	46127	90961	8121	25818	20309	159.6$_2$	256.2
385.8$_5$	234.9	37088	90868	8104	25778	11310	129.7$_5$	256.1$_0$
150.95	190.35	27956	90923	8114	25802	02154	105.0$_8$	256.0$_5$
341.3	154.45	18879	90916	8113	25799	93080	85.2$_7$	256.0$_5$
186.85	125.30	09795	91043	8136	25854	83941	69.1	255.9$_5$
2312.15	101.95	00838	90991	8127	25833	75005	56.2$_4$	255.9
210.2	82.85	91829	90843	8099	25766	66063	45.7$_8$	256.0$_0$
293.05	67.10	82672	90928	8115	25804	56868	37.0$_4$	256.0$_0$
225.95	54.45	73600						
280.4								

Temp = +4.0

10^m	42.02	21	23.00
	40.98		22.62
	41.64		22.60
	40.96		22.72
	41.76		22.71
	40.95		22.34
	41.39		22.83
	41.44		21.64
	40.20		21.90
	41.70		24.10
	42.40		

Tengerszint feletti értékre hozott

552,80	538,9	0,8127	255,75
14,3	437,65	0,8120	255,80
452,05	355,3	0,8127	256,0
96,75	288,75	0,8121	256,0$_m$
385,50	234,50	0,8105	256,0
151,0	190,15	0,8114	
341,15	154,3	0,8117	
186,85	125,25	0,8126	
312,10	101,9		
210,2	82,85		
293,05			

Átlagok 256,0$_m$

19,7	10^m	41,4	21^m 23,1
1,8		41,1	23,4
42,8		41,7	23,5
23,5		41,8	23,6
5,3		41,2	22,5
46,5		41,0	22,4
27,8		41,1	22,5
8,9		41,4	22,3
50,0		40,9	
31,2			

Σ = 1282,914

315

$$\frac{12,076}{6868,0}$$

~~28,01=~~

68,80,376 / 869047

$\frac{300}{1712} + \frac{10}{717}$ 20

1280

1,74
113
50
145 .11

1891. Jan. 30. délután

200 10h. 41m. 6·5
230 —— 28·4
250 —— 43·2
260 —— 50·3
270 —— 41m 57·6
280 — 42m 5·0
290 —— 12·2
300 —— 19·6
310 —— 27·0 –
320 —— 34·4 + 32
330 — 41·5
350 — 42m 56·6

350 — 56m 18·7
330 —— 38·0
320 —— 47·6 + 50,6
310 — 56m 57·4 –
300 — 57m 7·3
290 — 17·2
11h 3m 30s 71·6 fut
300 — 10m 49·7
310 — 11m 2·5 – 11,6
320 — 15·5 +
330 —— 28·4 : 59,6
350 — 11m 55·0

18m 50s 502·8 fut

320 — 25m 25·1 +
315 —— 33·6 0 30,2
310 —— 42·0 –
32m 10s 176·7 fut

310 39m 36·6 –
315 47·9 0 52,4
320 59·1 +
46m 30s 422·9 fut

320m — 54m 0·8 +
315 — 15·9 0 9,9
310 — 54m 30·9 –
12h 0m 50s 236·7 fut

310 8m 5·2 —
315 —— 25·0 0 32,9
320 —— 44·8 +
377·6 fut

320 — 22m 36·3 +
315 — 23m 2·4 0 57,3
310 — 29·1 —
271·2 fut

310 — 36m 24·0 –
315 — 58·0 0 12,5
320 — 37m 33·0 +
fut 351·8
291·0

Ebony

Ebonyabir	d	Ebony
431·2	0·756	317·2
376·1	755	317·0
246·2	756	316·9
186·2	757	316·9
140·9	755	317·0
106·4	758	317·1
80·6	754	317·1
60·8		

I

859·5		859·5
859·9		859·9
860·2		860·2
860·3	860·2	860·1
859·8	859·9	859·9
861·5	861·3	861·4
859·7	859·9	859·6

17 19,4
17 20,1
17 20,5
17 20,1
17 21,3
17 21,2

17 19,4
17 20,0
17 20,1 17 20,2
17 21,2 17 21,3
17 21,2 17 21,0

17 20,05
17 20,35
17 20,17
17 21,27
17 21,13

25 = 17 20,54

1891. januar 30. d.u.

270	2h	56m	15.4		
320	Kijavítandó		24.6	9.2	
370	5½m-re		33.5	8.9	
370	3	5	31.3		
320			42.2	10.9	
270			53.0	10.8	
220		6	4.0	11.0	
220		16	33.2		
270			46.5	13.3	
320		17	0.3	13.8	
370			14.1	13.8	
270		27	17.2		
250			24.0	6.8	
230			31.0	7.0	
230		37	58.7		
250		38	7.0	8.3	
270			15.0	8.0	
270		48	37.4		
250			47.4	10.0	
230			57.5	10.1	
230		59	18.2		
250			31.0	12.8	
270			43.1	12.1	
547.5	4	4	40		
260		10	2.4		
250			10.1	7.7	11.50
240			17.9	7.8	
655		15	25		
240		20	44.8		
250			54.0	9.2	52.34
260		21	3.6	9.6	
444.8		26	5		
258		31	22.7		
248			34.4	11.7	34.17
238			46.0	11.6	
891		36	45		
243		42	7.7		
248			15.0	7.3	15.14
253			21.9	6.5	
377.4		47	25		

253	4h	52	48.3		
248			56.9	8.6	56.82
243		53	5.8	8.9	
1433.5		58	10		
243	5h	3	26.3		
248			37.0	10.7	37.20
253			47.9	10.9	
3332		8	55		
250		14	14.2		
248			19.4	5.2	19.17
246			24.9	5.5	
1791		19	35		
246		24	52.3		
248			59.2	6.9	59.53
250			5.9	6.7	
3041.2		30	15		
250		35	37.0		
248			41.8	7.8	41.14
246			50.0	8.2	
2028		41	0		
246		46	10.6		
248			20.9	10.3	21.97
250			31.0	10.1	
2851		51	40		
249		56	58.7		
248		57	4.6	5.9	
247			10.8	6.2	
218.1	6	2	20		

Objektiv: 22.0

Levegő: +4.1°

5νζ.5 − 2.8ζ	5γν.63	537.28	7302ο	9097θ	0.812ν	25826	γ7191	296.νγ	2γ8.4θ
6.55 + 0.80	7.35	γ36.51	63 999	9097ι	8123	25825	38176	2γο.86	2γ8.2ϕ
4ννγ.8 − 0.9γ	νν3.86	35ν.57	5ν 9 7ο	90925	811γ	25802	28168	195.7γ	2γ8.1ε
89.ι + 0.19	84.29	2817.7	ν5895	90969	8122	25821	2007ν	158.76	2γ8.0ζ
977.γ − 0.32	377.08	233.69	3686γ	9096ι	811ζ	25809	1105.5	128.99	2γ8.09
1νζ.35 + 0.0γ	1νζ.39	189.69	2780.5	909γι	811ζ	25809	01996	10ν.70	2γ8.09
339.2ν − 0.12	333.08	153.93	187νγ	90933	811ζ	25809	92926	814.93	2γ8.01
179.ι + 0.01	179.11	125.0γ	09705	90961	8121	2581ϑ	83.925	69.06	2γ8.1ζ
30ν.2 − 0.05	30ν.15	101.35	00 582	90877	810.5	25780	7γ773	55.9γ	2γ8.24
202.8 0.00	202.80	82.27	91 52ν	909γ2	811ζ	25809	65660	γ5.35	2γ8.15
285.1 − 0.03	285.07	66.97	82 582	9106γ	8ιγο	2586γ			
218.1 0.06	218.10								

10 m	40.84 δ	21 m	22.67 δ
	ν1.83		22.80
	40.47		22.65
	ν1.68		22.06

1722,409.

januar 31. estébett 1891.

11h. 27m. 20s.			138·8 fok
250	—	32m.	33·8
260	—	32m.	52·4 —
270	—	33m.	10·5.
280	—		29·3
290	—	33m.	48·7
300	—	34m.	8·8
			363·0 fok
38m. 0s.			
280	—	42m.	58·8
275	—	43m.	10·0
270	—		21·1
265	—		32·4
260	—		43·8 —
255	—		55·3
250	—	49m.	6·8
			181·04
58m. 40s.			
260	—	54m.	12·0 —
262	—		17·5 +
265	—		26·0
270	—		39·8
			328·8
59m. 20s.			
265	—	4m.	52·0
262	—	5m.	2·2 +
260	—		9·4 —
			208·9
260	—	15m.	30·2 —
262			38·8 +
265	—		51·5
			306·2
265	—	26m.	10·4
262	—		25·6 +
260	—		36·0 —
			227·1

260	12h.	36m.	46·5 —
262	—		59·5 +
265	—	37m.	19·0
			291·3 +
			239·2 —

Elvigatva	J
224·2	0·812
182·0	0·812
147·8	0·812
119·9	0·812
97·3	0·813
79·1	0·812
64·2	0·812
52·1	

Egenes
262·5
262·6
262·5
262·6
262·6
262·5
262·6
262·6

I

641·0		641·0	641,0
641·3		641·2	641,25
641·0	641·1	641·0	641,03
641·0	641·2	641·3	641,17
641·0	641·0	641·2	641,07

1282,25
1282,28
1282,20
1282,24

1282,242.

Körösligethy Ödön észlelései asteroidákról és üstökösökről!

Almanach 309-ben

$\frac{a+b\delta}{1+\delta}$

22m 26,9) 860,8) 859,72) 1719,68
57,7) 858,5) 859,96
16,2) 861,6) 0,859,92) 1719,88
37,8) 858,0) 860,00) 1719,92
55,8) 862,2) 0,859,77) 1719,77
18,0) 857,0) 860,22) 1719,99
35,0) 863,9
58,9

közép 1719,85

$T = 859,93.$

| | | |

1891. február 1. délután

340	— 10h. 6m.	3·6	
320	—	7·0	
290	—	12·4	
290	— 20m.	24·4	
300		26·6	
320	—	31·5	
340	—	36·6	
340	— 34m.	35·5	
320	—	42·2	
310	—	45·3	
300	—	48·4 +	
290	—	51·6	meybeszakadtam.
300	— 49m.	4·2 +	
310	—	8·5	
320	—	12·8	
340	—	21·5	
320	— 3m.	17·3	
310	—	23·0	
300	—	28·6 +	
300	18h. 17m.	92·0 +	
310	—	49·5	
320	—	57·0	
320	31m.	50·2	
310	32m.	0·2	
305		5·2	
300		9·9 +	
	38m. 50s.	64·8	
300	— 46m.	18·6 +	
305	—	25·0	
310	—	31·6	
320	—	45·0	
	53m. 10s.	487·5	
310	12h. 0m.	76·0	
305	—	49·7	
300	—	53·4 +	
	7m. 20s.	167·8	

300	— 14m.	53·1 +	
303	— 15m.	0·0	
305	—	4·5	
307	—	9·2	
310	—	16·0	
		409·2	
310	29m.	9·5	
307		18·5	
305		24·5	
303		30·6	
300		39·8 +	
		226·6	
303	— 43m.	36·6	
305		44·1	
307	—	52·0	
		364·7	
307	— 57m.	54·0	
305	— 58m.	5·0	
303		15·5	
		260·2	
303	— 1h. 12m.	8·8	
305	—	23·3	
307	—	37·0	
		339·2	

Elnyakis	J	Eyenes
422·7	0·756	305·5
319·7	0·755	305·4
241·4	0·756	305·3
182·6	0·756	305·2
138·1	0·757	305·2
104·5	0·756	305·2
79·0		

T

858·5	858·6	858·3	858,47
859·2		859·3	859,25
859·5	859·4	859·4	859,43
859·7	859·8	859·7	859,73
859·6	859·7	859·7	859,67
859·6	859·7	859·6	859,63
859·9	859·8	859·8	859,83
859·7	859·7	859·7	859,70
859·9	859·9	860·0	859,97
859·7	859·8	859·8	859,77
859·9	860·2	860·1	860,07
859·7	859·8	859·6	859,80

200	3^{k}	17^{m}	$18^{4}.6$	8.9			
250			27.5	9.0			
300			36.5				
350	28		53.2				
300			48.6	10.7			
250			16.0				
200			27.0	11.0			
240	38		52.5	7.9			
270	39		1.4	8.3			
300			9.7				
290	49		30.0	10.0			
260			40.0				
230			49.9	9.4			
260	4^{k}	0	12.8	12.2			
290			24.9				
290			37.0	12.1			
280	10		53.2	9.8			
260	11		8.0	10.1			
240			13.1				
250	21		43.1	6.1			
260			49.2				

250	21		49.4	6.1			
260			49.2	6.2			
270			55.4				
250	22		0				
270	32		17.5	7.6	28.61		
250			25.1				
240	37		45	7.5			
245	42		52.6	9.4			
255	43		9.0		8.24	9.1	
265							
453.85	48		25				

557.2	-3.14	554.06					
11.7	+0.75	12.145					
453.85	-1.06	452.79					
95.05	+0.16	95.21					
386.0	-0.38	385.62					
1149.9	+0.03	1149.93					
185.9	+0.00	185.90					
311.4	-0.14	341.26					
312.1	-0.06	312.04					
209.65	+0.00	209.65					
292.9	-0.03	292.87					
225.11	+0.00	225.10					

541.0	73	369					
376.34	64	379					
357.58	55	338					
290.41	69	291.21					
235.69	37	235.41					
191.33	28	179.3					
155.36	19	134.4					
126.14	10	08.8					
102.39	01	02.6					
83.22	92	02.3					
67.77	83	10.4					

9101.8	134	379					
9099.9	81	21.8					
9096.3	81	21.8					
9093.3	81	16.8					
9094.4	81	18.8					
9096.6	81	20.8					
9096.8	81	17.8					
9099.0	81	17.8					
9099.7	81	28.8					
9101.8	81	43.4					

2580.0		2984.7	255.32				
2580.0		2983.3	255.52				
2580.0		2980.6	255.52				
2580.0		2977.3	255.54				
2580.0		2974.1	255.52				
2580.0		2970.9	255.52				
2580.0		2967.7	255.52				
2580.0		2964.5	255.52				
2580.0		2961.3	255.52				
2580.0		2958.1	255.52				

2580.0		2954.9	255.52				
2580.0		2951.7	255.52				
2580.0		2948.5	255.52				
2580.0		2945.3	255.52				
2580.0		2942.1	255.52				
2580.0		2938.9	255.52				
2580.0		2935.7	255.52				
2580.0		2932.5	255.52				
2580.0		2929.3	255.52				
2580.0		2926.1	255.52				

2580.0		2922.9	255.52				
2580.0		2919.7	255.52				
2580.0		2916.5	255.52				
2580.0		2913.3	255.52				
2580.0		2910.1	255.52				
2580.0		2906.9	255.52				
2580.0		2903.7	255.52				
2580.0		2900.5	255.52				
2580.0		2897.3	255.52				
2580.0		2894.1	255.52				

2580.0		2890.9	255.52				
2580.0		2887.7	255.52				
2580.0		2884.5	255.52				
2580.0		2881.3	255.52				
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2580.0		2874.9	255.52				
2580.0		2871.7	255.52				
2580.0		2868.5	255.52				
2580.0		2865.3	255.52				
2580.0		2862.1	255.52				

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2580.0		2855.7	255.52				
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2580.0		2842.9	255.52				
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2580.0		2833.3	255.52				
2580.0		2830.1	255.52				

2580.0		2826.9	255.52				
2580.0		2823.7	255.52				
2580.0		2820.5	255.52				
2580.0		2817.3	255.52				
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2580.0		2810.9	255.52				
2580.0		2807.7	255.52				
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2580.0		2801.3	255.52				
2580.0		2798.1	255.52				

2580.0		2794.9	255.52				
2580.0		2791.7	255.52				
2580.0		2788.5	255.52				
2580.0		2785.3	255.52				
2580.0		2782.1	255.52				
2580.0		2778.9	255.52				
2580.0		2775.7	255.52				
2580.0		2772.5	255.52				
2580.0		2769.3	255.52				
2580.0		2766.1	255.52				

2580.0		2762.9	255.52				
2580.0		2759.7	255.52				
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2580.0		2743.7	255.52				
2580.0		2740.5	255.52				
2580.0		2737.3	255.52				
2580.0		2734.1	255.52				

2580.0		2730.9	255.52				
2580.0		2727.7	255.52				
2580.0		2724.5	255.52				
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2580.0		2711.7	255.52				
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2580.0		2705.3	255.52				
2580.0		2702.1	255.52				

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2580.0		2695.7	255.52				
2580.0		2692.5	255.52				
2580.0		2689.3	255.52				
2580.0		2686.1	255.52				
2580.0		2682.9	255.52				
2580.0		2679.7	255.52				
2580.0		2676.5	255.52				
2580.0		2673.3	255.52				
2580.0		2670.1	255.52				

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2580.0		2657.3	255.52				
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2580.0		2650.9	255.52				
2580.0		2647.7	255.52				
2580.0		2644.5	255.52				
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2580.0		2638.1	255.52				

2580.0		2634.9	255.52				
2580.0		2631.7	255.52				
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2580.0		2625.3	255.52				
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2580.0		2615.7	255.52				
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2580.0		2609.3	255.52				
2580.0		2606.1	255.52				

2580.0		2602.9	255.52				
2580.0		2599.7	255.52				
2580.0		2596.5	255.52				
2580.0		2593.3	255.52				
2580.0		2590.1	255.52				
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2580.0		2583.7	255.52				
2580.0		2580.5	255.52				
2580.0		2577.3	255.52				
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2580.0		2570.9	255.52				
2580.0		2567.7	255.52				
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2580.0		2551.7	255.52				
2580.0		2548.5	255.52				
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2580.0		2535.7	255.52				
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2580.0		2529.3	255.52				
2580.0		2526.1	255.52				
2580.0		2522.9	255.52				
2580.0		2519.7	255.52				
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2580.0		2513.3	255.52				
2580.0		2510.1	255.52				

2580.0		2506.9	255.52				
2580.0		2503.7	255.52				
2580.0		2500.5	255.52				
2580.0		2497.3	255.52				
2580.0		2494.1	255.52				
2580.0		2490.9	255.52				
2580.0		2487.7	255.52				
2580.0		2484.5	255.52				
2580.0		2481.3	255.52				
2580.0		2478.1	255.52				

2580.0		2474.9	255.52				
2580.0		2471.7	255.52				
2580.0		2468.5	255.52				
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2580.0		2439.7	255.52				
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2580.0		2385.3	255.52				
2580.0		2382.1	255.52				

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2580.0		2337.3	255.52				
2580.0		2334.1	255.52				
2580.0		2330.9	255.52				
2580.0		2327.7	255.52				
2580.0		2324.5	255.52				
2580.0		2321.3	255.52				
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2580.0		2308.5	255.52				
2580.0		2305.3	255.52				
2580.0		2302.1	255.52				
2580.0		2298.9	255.52				
2580.0		2295.7	255.52				
2580.0		2292.5	255.52				
2580.0		2289.3	255.52				
2580.0		2286.1	255.52				

2580.0		2282.9	255.52				
2580.0		2279.7	255.52				
2580.0		2276.5	255.52				
2580.0		2273.3	255.52				
2580.0		2270.1	255.52				
2580.0		2266.9	255.52				
2580.0		2263.7	255.52				
2580.0		2260.5	255.52				
2580.0		2257.3	255.52				
2580.0		2254.1	255.52				

2580.0		2250.9	255.52				
2580.0		2247.7	255.52				
2580.0		2244.5	255.52				
2580.0		2241.3	255.52				
2580.0		2238.1	255.52				
2580.0		2234.9	255.52				
2580.0		2231.7	255.52				
2580.0		2228.5	255.52				
2580.0		2225.3	255.52				
2580.0		2222.1	255.52				

2580.0		2218.9	255.52				
2580.0		2215.7	255.52				
2580.0		2212.5	255.52				
2580.0		2209.3	255.52				
2580.0		2206.1	255.52				
2580.0		2202.9	255.52				
2580.0		2199.7	255.52				
2580.0		2196.5	255.52				
2580.0		2193.3	255.52				
2580.0		2190.1	255.52				

2580.0		2186.9	255.52				
2580.0		2183.7	255.52				
2580.0		2180.5	255.52				
2580.0		2177.3	255.52				
2580.0		2174.1	255.52				
2580.0		2170.9	255.52				
2580.0		2167.7	255.52				
2580.0		2164.5	255.52				
2580.0		2161.3	255.52				
2580.0		2158.1	255.52				

2580.0		2154.9	255.52				
2580.0		2151.7	255.52				
2580.0		2148.5	255.52				
2580.0		2145.3	255.52				
2580.0		2142.1	255.52				
2580.0		2138.9	255.52				
2580.0		2135.7	255.52				
2580.0		2132.5	255.52				
2580.0		2129.3	255.52				
2580.0		2126.1	255.52				

2580.0		2122.9	255.52				
2580.0		2119.7	255.52				
2580.0		2116.5	255.52				
2580.0		2113.3	255.52				
2580.0		2110.1	255.52				
2580.0		2106.9	255.52				
2580.0		2103.7	255.52				
2580.0		2100.5	255.52				
2580.0		2097.3	255.52				
2580.0		2094.1	255.52				

2580.0		2090.9	255.52				
2580.0		2087.7	255.52				
2580.0		2084.5	255.52				
2580.0		2081.3	255.52				
2580.0		2078.1	255.52				
2580.0		2074.9	255.52				
2580.0		2071.7	255.52				
2580.0		2068.5	255.52				
2580.0		2065.3	255.52				
2580.0		2062.1	255.52				

2580.0		2058.9	255.52				
2580.0		2055.7	255.52				
2580.0		2052.5	255.52				
2580.0		2049.3	255.52				
2580.0		2046.1	255.52				
2580.0		2042.9	255.52				
2580.0		2039.7	255.52				
2580.0		2036.5	255.52				
2580.0		2033.3	255.52				
2580.0		2030.1	255.52				

2580.0		2026.9	255.52				
2580.0		2023.7	255.52				
2580.0		2020.5	255.52				
2580.0		2017.3	255.52				
2580.0		2014.1	255.52				
2580.0		2010.9	255.52				
2580.0		2007.7	255.52				
2580.0		2004.5	255.52				
2580.0		2001.3	255.52				
2580.0		1998.1	255.52				

2580.0		1994.9	255.52				
2580.0		1991.7	255.52				
2580.0		1988.5	255.52				
2580.0		1985.3	255.52				
2580.0		1982.1	255.52				
2580.0		1978.9	255.52				
2580.0		1975.7	255.52				
2580.0		1972.5	255.52				
2580.0		1969.3	255.52				
2580.0		1966.1	255.52				

2580.0		1962.9	255.52				
2580.0		1959.7	255.52				
2580.0		1956.5	255.52				
2580.0		1953.3	255.52				
2580.0		1950.1	255.52				
2580.0		1946.9	255.52				
2580.0		1943.7	255.52				
2580.0		1940.5	255.52				
2580.0		1937.3	255.52				
2580.0		1934.1	255.52				

2580.0		1930.9	255.52				
2580.0		1927.7	255.52				
2580.0		1924.5	255.52				
2580.0		1921.3	255.52				
2580.0		1918.1	255.52				
2580.0		1914.9	255.52				
2580.0		1911.7	255.52				
2580.0		1908.5	255.52				
2580.0		1905.3	255.52				
2580.0		1902.1	255.52				

2580.0		1898.9	255.52				
2580.0		1895.7	255.52				
2580.0		1892.5	255.52				
2580.0		1889.3	255.52				
2580.0		1886.1	255.52				
2580.0		1882.9	255.52				
2580.0		1879.7	255.52				
2580.0		1876.5	255.52				
2580.0		1873.3	255.52				
2580.0		1870.1	255.52				

2580.0		1866.9	255.52				
2580.0		1863.7	255.52				
2580.0		1860.5	255.52				
2580.0		1857.3	255.52				
2580.0		1854.1	255.52				
2580.0		1850.9	255.52				
2580.0		1847.7	255.52				
2580.0		1844.5	255.52				
2580.0		1841.3	255.52				
2580.0		1838.1	255.52				

2580.0		1834.9	255.52				
2580.0		1831.7	255.52				
2580.0		1828.5	255.52				
2580.0		1825.3	255.52				
2580.0		1822.1	255.52				
2580.0		1818.9	255.52				
2580.0		1815.7	255.52				
2580.0		1812.5	255.52				
2580.0		1809.3	255.52				
2580.0		1806.1	255.52				

2580.0		1802.9	255.52				
2580.0		1799.7	255.52				
2580.0		1796.5	255.52				
2580.0		1793.3	255.52				
2580.0		1790.1	255.52				
2580.0		1786.9	255.52				
2580.0		1783.7	255.52				
2580.0		1780.5	255.52				
2580.0		1777.3	255.52				
2580.0		1774.1	255.52				

2580.0		1770.9	255.52				
2580.0		1767.7	255.52				
2580.0		1764.5	255.52				
2580.0		1761.3	255.52				
2580.0		1758.1	255.52				
2580.0		1754.9	255.52				
2580.0		1751.7	255.52				
2580.0		1748.5	255.52				
2580.0		1745.3	255.52				
2580.0		1742.1	255.52				

2580.0		1738.9	255.52				
2580.0		1735.7	255.52				
2580.0		1732.5	255.52				
2580.0		1729.3	255.52				
2580.0		1726.1	255.52				
2580.0		1722.9	255.52				
2580.0		1719.7	255.52				
2580.0		1716.5	255.52				
2580.0		1713.3	255.52				
2580.0		1710.1	255.52				

2580.0		1706.9	255.52				
2580.0		1703.7	255.52				
2580.0		1700.5	255.52				
2580.0		1697.3	255.52				
2580.0		1694.1	255.52				
2580.0		1690.9	255.52				
2580.0		1687.7	255.52				
2580.0		1684.5	255.52				
2580.0		1681.3	255.52				
2580.0		1678.1	255.52				

2580.0		1674.9	255.52				
2580.0		1671.7	255.52				
2580.0		1668.5	255.52				
2580.0		1665.3	255.52				
2580.0		1662.1	255.52				
2580.0		1658.9	255.52				
2580.0		1655.7	255.52				
2580.0		1652.5	255.52				
2580.0		1649.3	255.52				
2580.0		1646.1	255.52				

2580.0		1642.9	255.52				
2580.0		1639.7	255.52				
2580.0		1636.5	255.52				
2580.0		1633.3	255.52				
2580.0		1630.1	255.52				
2580.0		1626.9	255.52				
2580.0		1623.7	255.52				
2580.0		1620.5	255.52				
2580.0		1617.3	255.52				
2580.0		1614.1	255.52				

2580.0		1610.9	255.52				
2580.0		1607.7	255.52				
2580.0		1604.5	255.52				
2580.0		1601.3	255.52				
2580.0		1598.1	255.52				
2580.0		1594.9	255.52				
2580.0		1591.7	255.52				
2580.0		1588.5	255.52				
2580.0		1585.3	255.52				
2580.0		1582.1	255.52				

2580.0		1578.9	255.52				
2580.0		1575.7	255.52				
2580.0		1572.5	255.52				
2580.0		1569.3	255.52				
2580.0		1566.1	255.52				
2580.0		1562.9	255.52				
2580.0		1559.7	255.52				
2580.0		1556.5	255.52				
2580.0		1553.3	255.52				
2580.0		1550.1	255.52				

2580.0		1546.9	255.52				
2580.0		1543.7	255.52				
2580.0		1540.5	255.52				
2580.0		1537.3	255.52				
2580.0		1534.1	255.52				
2580.0		1530.9	255.52				
2580.0		1527.7	255.52				
2580.0		1524.5	255.52				
2580.0		1521.3	255.52				
2580.0		1518.1	255.52				

2580.0		1514.9	255.52				
2580.0		1511.7	255.52				
2580.0		1508.5	255.52				
2580.0		1505.3	255.52				
2580.0		1502.1	255.52				
2580.0		1498.9	255.52				
2580.0		1495.7	255.52				
2580.0		1492.5	255.52				
2580.0		1489.3	255.52				
2580.0		1486.1	255.52				

2580.0		1482.9	255.52				
2580.0		1479.7	255.52				
2580.0		1476.5	255.52				
2580.0		1473.3	255.52				
2580.0		1470.1	255.52				
2580.0		1466.9	255.52				
2580.0		1463.7	255.52				
2580.0	

$T = \frac{a+bd}{1+d}$.

25	25	25-7.
	641,02	
640,92	640,97.	

Február 2. délelőtt

300 — 9h. 28m. — 55.2
250 — — — 58.4
200 — — 29m. — 2.4

200 — — 38m. — 58.6
250 — — — — —
— — — 39m. — 3.2
300 — — — — 7.5

Egy állomásról elmulasztottam.

200 — 10h. 0m. — 47.6-
250 — — 0m. — 54.2 o
300 — — 1m. — 0.7

300 — — 11m. — 26.7
250 — — — — 44.7 o
200 — — — — 52.8-

200 — — 22m. — 18.9-
230 — — — — 24.6
250 — — — — 28.7 o
270 — — — — 32.4 |
300 — — — — 38.6+

300 — — 33m. — 2.7+
270 — — — — 10.1 to
250 — — — — 15.2 o 5,1 0,25
200 — — — — 27.4-

200 — — 43m. — 40.4-
230 — — — — 50.0 ho
250 — — — — 56.0 +
260 — — — — 59.0 —
270 — — 44m. — 1.2 |
300 — — 44m. — 11.2+

300 — — 54m. — 22.2
270 — — — — 33.4 |
260 — — — — 37.1 —
250 — — — — 40.8 o
220 — — — — 44.5+

240 — — 44h. 5m. — 15.2+
250 — — — — 19.5 o
260 — — — — 24.5 —
270 — — — — 29.0 | Gerinc-lakás

260 — — 15m. — 59.2 —
250 — — 16m. — 4.8 o
240 — — — — 10.5 +

240 — — 26m. — 35.3+
250 — — — — 42.2 o
260 — — — — 49.2 —
— — — — — 19.8 —
255 — — 37m. — 24.5 |
250 — — — — 28.5 o
240 — — — — 37.2+
— — — 43m. 30. — 37.6 fudel

240 — — 47m. — 53.2+
250 — — 48m. — 3.9 o
255 — — — — 9.1 |
260 — — — — 14.4 —
— — — 54m. 50. — 428.0 fudel

260 — — 58m. — 39.1 —
255 — — — — 45.6 o|
250 — — — — 52.1 o
— — — 3m. 50. — 111.1 fudel

250 — — 9m. — 25.0 → 0.5 o
253 — — — — 29.8 → 0.5
255 — — — — 33.0 → 0.5 |
260 — — — — 41.1 → 0.5 —
— — — 14m. 30. — 368.1 fudel

250 — — 29m — 16.40
— — — — — 159.5 fudel
250 — — — — 43.5

Kilopom mal levesem a lovaglás utánam

329.4 fudel

255	41 m.	28·4
253		34·2
252		43·2
		192·0

250	57 m.	60·0
253	52	11·0
255		18·5
		303·6

25·5	2 m.	48·4
25·3		57·0
250	3 m.	10·8

Ελαγάκι

390·4
316·9
253·0
208·6
1169·9

I

647·7	647·6	647·6
645·1	645·1	645·0
643·7	643·9	643·6
642·7	642·6	642·6
	642·1	642·3
641·8	641·7	641·7
641·6	641·8	641·6
641·3	641·4	641·5
641·3	641·4	641·4
641·1	641·2	641·0
641·2	641·1	641·2
	641·1	
641·0	640·9	641·0

1891.
210
260
310
360
410
410
360
310
260
210
280
330
380
360
330
300
300
330
360
350
330
310
320
330
340
340
330
320
945
330
335
340
524 +
γλεν
340
335
330
1961.9
330
335
340
444.0

Δ

0812
813
812

Ελευσ

253·1
253·2
252·9
253·6

1891. február 2. d.u.

210	5h	17m	52.4		
260			59.8	7.4	
310		18	6.3	6.5	
360			12.9	6.6	
410			20.0	7.1	360
410		32	13.0		
360			22.0	9.0	
310			31.0	9.0	
260			40.1	9.1	
210			49.3	9.2	360
280		46	30.5		
330			42.5	12.0	
380			54.3	11.8	360
360	6	1	55.6		
330			53	9.7	—
300			14.8	9.5	
300		15	6.6		
330			19.4	12.8	
360			32.0	12.6	
350		29	34.5		
330			45.5	11.0	
310			57.0	11.5	
320		43	48.8		
330			56.0	7.2	
340		44	3.4	7.4	
340		58	18.2		
330			28.0	9.8	—
320			37.7	9.7	
9.45		5	15		
330		12	31.7		
335			38.0	6.3	
340			44.3	6.3	

524 +.. nem volt észlelhető a
gyenge fény miatt.

340	26	56.1		
335	27	4.3	8.2	
330		13.0	8.7	—
1960	33	55		
330	40	57.8		
335	41	9.0	11.2	
340		20.0	11.0	
440	48	10		

340	7	55	32.1	
337			40.9	8.8 —
334			49.8	8.9
256.95	8	2	40	
334		9	47.4	
337			59.2	11.8
340		10	11.0	11.8
398.2		17	0	
340		24	5.8	
337			21.9	—
335			33.9	
291.2		31	10	
335			24.0	
337			37.5	—
339			51.5	

temp +3°.9

1891. február 2. d.u. $14^h = 840^s$

	a	b	a-b				
360.							
14 12.9							
32 22.0	849.1						
46 49.58	867.58		-18.48	26670	02148	10.51	857.07
D 55.6	846.62		+21.56	33365	08843	12.26	858.28
15 32.0	876.4		-30.38	48259	23,737	17.27	859.13
340							
15 23.6							
29 40.0	856.4		-7.0	84510	60,033	3.98	
44 34	863.4		+8.6	93450	68,973	4.89	
58 18.2	854.8		-11.3	05308	80,831	6.43	
12 44.3	866.1		+14.3	15534	91,057	8.14	
26 56.1	851.8		-12.1	08279	83,802	6.89	
41 20.0	863.9		+11.8	07188	82,711	6.72	
55 32.1	852.1		-26.8	42813	18,336	15.25	
10 11.6	878.9						

330

18 8.94	858.96						
32 27.4	855.1		+3.36	52634	28112	1.91	857.01
46 42.5	862.8		-7.7	88649	64127	4.38	858.42
1 5.3	854.1		+8.7	93952	69,430	4.95	8.05
15 19.4	866.1		-12.0	07918	83,441	6.83	
29 45.5	850.5		+15.6	19312	94,835	8.88	
43 56.0	872.0		-21.5	33244	08,767	12.24	
58 28.0	843.7		+28.3	45179	20,702	16.11	
12 31.7	881.3		-37.6	57519	33,042	21.40	
27 13.0	824.8		+56.5				
40 57.8	34.3						
~~57 37.1~~							
337							
41 13.4	867.5		-9.2	96379	71902	5.24	
55 40.9	858.3						
9 54.2							

280

18 ~~24~~							
32 ~~36~~ 46	834.06		+30.02	47741	23219	17.07	
46 30.5	834.04						
320							
46 40.1							
1 8.47	868.37						
15 15.13	846.66		+21.71	33666	09,144	12.34	
29 51.25	876.12		-29.46	46923	22,401	16.75	
43 48.8	837.55		+38.57	58625	34148	21.95	
58 37.7	888.9		-51.35	71054	46577	29.22	
335							
58 23.1							
12 38.0	854.9		-11.4	05690	81213	6.49	
27 4.3	866.3		+21.6	33445	08,968	12.29	
41 9.0	844.7		-33.13	52022	27545	18.85	
55 46.3	877.83						
9 53.3							

~~196.9 247.1 39287~~
~~444.0~~
~~256.95 187.05~~

290
93
154
33

196.9	+7	197.60	246.10	39111						
444.0	-30	443.70			88015	7588	24522	14589	139.92	337.52
256.95	+0	256.95	186.75	27126	87839	7558	24447	02679	10636	337.41
398.2	-11	398.09	141.14	14965						
~~187.05~~		~~107.0~~	~~02938~~	~~58824~~	~~88333~~	~~7644~~	~~24660~~	~~90305~~	~~79.99~~	~~336.94~~
291.2	0	291.2	109.89	~~02748~~ 02894	87929	7573	24484	90481	8032	737.22

1891: februar 3. délután

250	1h. 14m.	5.4	
280		11.4	
310		18.2	
330		23.2 –	25,2
330	– 28m.	45.3 –	42,9
310	–	51.5 –	
290	–	57.6	to
280	– 29m.	0.4	
250	–	10.2	
250	– 42m.	27.2	
280	–	39.5 –	
310	–	51.5 –	
330	–	59.7 –	
340	– 43m.	3.5 – o	21,7
350	43m.	8.7.6 m+	
350	57m.	15.0 +	
340	–	20.3 o	21,3
330	–	25.6 –	
310		36.6	
330	11m.	36.5 – –	
340	–	43.6 o	42,2
350	–	50.9 +	
350	– 25m.	49.2 +	
340	–	58.4 o	0,2
335	– 26m.	3.31	
330	–	8.10 –	
	32m. 45s.	82.7 fut	
330	40 m.	12.2 –	
335		18.3 1	
340		24.5 o	
350		37.2 +	
		530.5 fut	

340	– 5.4m.	36.6 o	
337	–	41.4 u	
335	–	44.61	
330	–	53.0 –	
	1m.	191.8 fut	
330	– 8m.	45.4 –	
335	–	56.21	
337	9m.	0.5 u	
340		7.0 o	
		448.0 fut	
340	– 23m.	13.1 o	
337	–	21.4 u	
335	–	27.21	
		254.0 fut	
335	37m.	32.11	
337		39.5 u	
340		51.3 o	
		400.5	
340	– 56	47.0 o	
337	– 52m.	1.8 u	
335	–	12.01	
		289.7	
335	6m.	5.5 – 1	
337		18.3 u	
340		38.40	nem bírt.

Elongation
447·8
338·7
256·2
194·0
146·5
116·8

ϑ
0·756
0·756
0·757
0·755
0·756

Eponent
337·4
337·6
337·6
337·5
337·4

+1,2
+0,7 859,4
+0,4 659,6
+0,2 659,7
+0,1 659,7
+0,04 859,97
+0,02 859,97
660
659,8
659,97
660,5

I

330	858·8	310	659·0		
"	859·4	"	659·4		
"	659·4	340	659·6	350	659·7
"	659·8	"	659·6	"	659·7
"	659·7	"	659·7	"	659·7
"	660·0	"	660·0	335	659·9
337	659·9	"	659·9	"	660·0
330	660·0	"	660·0	"	660·0
337	659·7	"	659·9	"	659·8
"	659·9	"	659·9	"	660·0
"	859·9	"	659·9	"	660·0
"	860·2	"		"	659·9

1891. február 3. d.u.

360	5h	55m	4.0	
310			14.4	10.4
260			25.2	10.8
				29,2
280	6	6	8.0	
250			16.0	8.0
280			23.8	7.8
280		16	43.0	
250			53.0	10.0
220		17	2.4	9.4
				56
220		27	30.2	
250			42.3	12.1
280			54.5	12.2
260		38	10.1	
240			20.0	9.9
220			30.0	10.0
220		48	49.4	
240		49	2.0	12.6
260			14.1	12.1
543.05		54	15	
260		59	27.6	
240			42.7	15.1
220			58.0	15.3
-6.1		7	5	
280		10	6.3	
240			25.0	
260			43.4	
438.95		15	35	
250		20	53.4	
245			—	
240		21	5.0	
77.6		26	20	
235		31	46.7	
240			47.3	6.6
245			54.9	7.6
370.9		37	0	
245		42	18.2	
240			26.3	8.1
235			35.0	8.7
132.85		47	40	

235	7h	53	59.5	
240			10.2	10.7
245			20.4	10.2
325.95		58	25	
245	8h	3	35.2	
240			48.5	13.3
235		4	1.3	12.8
169.05		9	5	
~~237~~ 238		14m	55.4	26.4
240		14	1.9	32.9
242			85	39.5
				6.5
				6.6
		minimum 11 + 3j 3		
296.45		19	45	
~~242~~		25	2.0	
240			9.8	7.8
~~238~~			17.9	8.1
193.0		30	30	
238		35	46.3	
240			55.9	9.6
242		36	6.0	10.1
277.05		41	10	

Kemper: +4.0

Objektiv: 220

febr. 3. d.u.

260 0.25816

55 25.2					
6 18.6	653.4	+22.3	1.34830	1.09014 +12.31	643.41
16 49.7	631.1	−25.6	1.40824	15008 −14.13	42.57
27 46.4	656.7	+33.0	1.51851	26035 +18.21	41.91
38 10.1	623.7	−40.3	1.60531	34715 −22.24	41.76
49 14.1	664.0	+50.5	70329	44513 +27.87	41.37
59 27.6	613.5	−62.3	79449	53633 −34.08	41.42
10 43.4	675.8				

245

1+ν : .25816

240 0.25816

6 13.3						
16 56.1	642.8	+0.6	9.77815	9.51999 +0.33	642.53	
27 38.3	642.2	+0.5	9.69897	44081 +0.28	41.98	
38 20.0	641.7	−0.3	9.47712	21896 −0.16	41.84	
49 2.0	642.0	+1.3	0.11394	85578 +0.72	41.42	
59 42.7	640.7	+1.6	20402	94596 +0.88	41.45	
10 25.0	642.3	+2.3	36173	10357 +1.27	41.27	
21 5.0	640.0	−2.3		−1.27	41.03	
31 47.3	642.3	+3.3	51851	26035 +1.82	40.88	
42 26.3	639.0	−4.9	69020	43204 −2.70	41.20	
53 10.2	643.9	+5.6	74819	49008 +3.09	41.39	
3 48.5	638.3	−6.1	78533	52717 −3.37	41.03	
14 32.9	644.4	+7.5	87506	61640 +4.14	41.04	
25 9.8	636.9	−9.2	96379	70563 −5.08	41.02	
35 55.9	646.1					

220 0.25816

6 8.0	654.4	+26.6	1.42488	1.16672 +14.68	642.48
17 2.4	627.8	−32.0	1.50515	24699 −17.66	42.14
27 30.2	659.8	+40.4	1.60638	34822 +22.30	41.70
38 30.0	619.4	−49.2	69197	43381 −27.15	41.45
48 49.4	668.6	+60.3	78032	52216 +33.28	41.58
59 58.0	608.3				
10 6.3					

235

												239.31
					90992	8127	25 833	47852	300.97	239.60
					90982	8125	25 828	38849	244.62	239.33
					90993	8127	25 833	29826	198.73	239.35
					90953	8120	25 816	20836	161.57	239.41
					90940	8117	25 809	11796	131.21	239.40
					90987	8126	25 830	02715	106.45	239.35
					90968	8122	25 821	93711	86.52	239.33
					90956	8120	25 816	84684	70.88	239.34
					90987	8126	25 830	75626	57.05	239.36

543.05	−2.77	540.28										
−6.1	+0.81	−5.29	545.57	73685								
438.95	−0.87	438.08	443.37	64677								
77.6	+.24	77.84	360.24	55659								
370.9	−.29	370.61	292.77	46652								
132.85	+.05	132.90	237.71	37605								
325.95	−.10	325.85	192.95	28545								
169.05	+.01	169.06	156.79	19532								
296.45	−.04	296.41	127.35	10500								
193.0	+.00	193.00	103.41	01456								
277.05	−.02	277.03	84.03	92443								

1891 június 4 délután

	16m. 25s.	830 fok	
230	— 21m.	29.3	
240	——	42.2	
245	——	49.0	
250	——	55.5+	
255	— 22m.	7.0—	
260	——	8.4 ○	/
265	——	15.2	
270	——	21.6	
280	——	35.3	
	27m. 5s.	396.2	
280	— 32m.	5.6	
270	——	21.7	
265	——	29.6	
260	——	37.5○	
255	——	45.6—	
250	——	53.9	+
245	—— 33m.	2.2	
240	——	10.6	
	37m. 50	142.0	fok
250	43m.	13.6	+
255		23.5—	
256		25.2	∪
260		33.4○	
		348.3	fok
260	— 53m.	56.6○	
267	— 54m.	4.1	
256	——	6.4	∪
255	——	8.5—	
250	——	21.2+	
		180.9	fok
250	4m.	29.4	
255		44.6—	
256		47.4	∪
257		50.31	
260		60.0○	
		316.9	

257	15m.	24.81	
256		28.5	∪
255		32.0—	
		206.3	
255	— 26m.	5.0—	
256	—	9.2	∪
257	—	14.31	
		296.0	
257	— 37m.	44.91	
256	—	50.6	∪
255	——	56.2—	
		223.2	
255	47m.	24.5—	
256	——	31.3	∪
257	——	38.21	
		282.3	

Elongatio	d	Expositio
313.2	0.812	255.8
254.2	0.812	255.9
206.3	0.812	255.9
167.4	0.813	256.0
136.6	0.813	255.9
110.6	0.813	255.9
89.4	0.812	255.8
72.8	0.812	255.8
59.1		

I

255	641.0	260	641.1	250	641.1
"	641.1	"	641.2	"	641.2
"	641.0		641.2	256	641.1
"	641.2	257	641.0	"	641.0
"	640.9	"	641.1	"	641.2
"	641.2	"	641.1	"	641.0
"	640.9	"	640.8	"	640.8

1891. február 4. d.u.

360	3h	34m	21s.2	
340			32.1	10.9
320			43.3	11.2
300			54.5	11.2
280		35	5.6	11.1
280		48	41	
300			55.8	14.7
320		49	10.5	14.7
340			25.3	14.8
360			40.2	14.9
340	4h	2m	42.1	9.3
330			51.4	9.8
320		3	1.2	9.7
310			10.9	9.9
300			20.8	
689		10	20	
300		17	27.2	12.9
310			40.1	12.9
320			53.0	13.0
330		18	6.0	13.3
340			19.3	
500.8		24	50	
320		31	56.2	8.7
315		32	4.9	8.3
310			13.2	
174.05		39	0	
310		46	15.8	11.2
315			27.0	10.9
320			37.9	
420.0		53	25	
317	5h	0	38.2	5.8
315			44.0	6.0
313			50.0	
234.1		7	40	
313		14	59.0	7.9
315		15	6.9	7.6
317			14.5	
375.85		22	0	
317		29	14.0	10.0
315			24.0	10.7
313			34.7	
268.95		36	15	

313	5h	43	32.4	13.6
315			46.0	14.3
317		44	0.3	
345.9		50	40	
317			56.2	8.8
315		58	5.0	18.4
313			23.4	
288.85		5	10	

Temperatura: + 4.1

ez úgy látszik, hibás; érdekes körben látva jött be.

1891. február 4. du.

68.9 + 89	69.79	430.24	63271	87930	0.7573	0.24484	38887	244.83	314.62
500.8 − 77	500.03	325.85	51301	87905	7569	24474	26827	185.47	314.56
174.05 + 13	174.18	246.64	39206	87908	7569	24474	14732	140.38	314.58
421.0 − 18	420.82	186.70	27114	88023	7590	24527	02587	106.14	314.68
234.1 + 02	234.12	141.70	15137	87749	7542	24408	90729	80.78	314.90
375.85 − 03	375.82	106.87	02486	87793	7567	24470	78416	60.83	314.99
268.95 + 00	268.95	80.87	90779	87775	7547	24420	66359	46.09	315.04
349.9 − 02	349.88	61.03	78554						
288.85	288.85								

84 29.1

320 2448

34	43.3
49	10.5
3	1.2
17	53.0
31	56.2
46	37.9

317

32	1.4
46	31.4
0	38.2
15	14.5
29	14.0
44	0.3

870.0	+23.2	13655	1207 + 13.20	860.00	
846.8	+29.5	4698	2250 − 16.79	59.51	
876.3	+36.8	5647	3199 + 20.89	60.39	
839.5	−46.8	6702	4254 − 26.63	59.67	
886.3					

MAGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

310 2448

34	48.9
49	3.1
3	10.9
17	40.1
32	13.2
46	15.8

873.1
842.6

315

32	4.9				
46	27.0	862.1			
0	44.0	857.0	+5.1 .7076	4628 + 2.90	859.90
15	6.9	862.9	−5.9 7709	5261 − 3.36	59.54
29	24.0	857.1	+5.8 7634	5186 + 3.30	60.40
43	46.0	862.0	−4.9 6902	4454 − 2.79	59.21

300 2448

34	54.5
48	55.2
3	20.8
17	27.2

313

4	8.0					
17	44.0	876.0	+11.8			
32	8.2	864.2	+0.9	0.9956	7508 + 5.63	859.93
46	22.5	854.3	−13.2	1206	8758 − 7.51	59.99
0	50.0	867.5	+18.5	2672	0224 + 10.53	59.53
14	59.0	849.0	−26.7	4265	1817 − 15.20	60.50
29	34.7	875.7	+38.0	5758	3350 + 21.63	59.33
43	32.4	837.7				

1891 februari 5 delvis klart

360	—	24m.	46.6
350	—		5.03+
340	—		55.20
330	—	25m.	0.4.
320	—		5.0
310	—		9.6
300	—		14.4
290	—		19.4
			97.7
290	—		49.2
300	—		55.4
310	—	38m.	1.6
320	—	39m.	8.2.
330	—		14.40
340	—		21.0+
350	—		27.3
	—	39m.	34.2
350	—	53m.	26.3 +
345	—		30.2 —
340	—		34.60
335	—		39.1 ı
330	—		43.3.
			59.0
330	—	7m.	92.8.
335	—		48.3 ı
340	—		54.10
345	—		59.5—
350	—	8m.	5.2+
			5.54.5
345	—	22m.	7.6—
340	—		14.80
335	—		22.3 ı
			179.9
335	—	36m.	23.61
340			33.30
342			37.2 v
345			43.2—
			462.8

345	—	58m.	4
342	—		50
341	—		52
340	—		55
335	—	51m.	8.2
			248.7
335	—	12h. 4m.	55.0 ı
340	—	5m.	17.10
341	—		15.5 /
342	—		19.1 v
345	—		29.5—
			410.5
342	—	19m.	27.9 v
341	—		32.4 ı
340	—		36.80
			288.0
340	—	33m.	50.1 0
341	—		55.7 ı
342	—	34m.	2.1 v
			308.7
342	—	48m.	3.6 v
341	—		11.5 ı
340	—		19.50
			310.8

Elongation	d
49°5.5	0.756
37 4.6	755
28 2.9	756
21 4.1	756
16 1.8	757
12 2.5	755
9 2.7	754
6 9.9	

Egenvikt

341.2
341.1
341.0
340.9
340.8
340.7
340.8

I

330	659.7	340	659.6	350	659.8
"	659.8	"	659.9		659.8
335	659.9	"	660.0	345	660.2
"	659.9	"	659.8	"	659.9
"	659.9	"	659.9	"	659.8
"	659.8	"	659.7	342	659.8
341	660.2	"	660.4	"	660.4
"	659.7	"	659.8	"	659.7
"	660.1	"	660.2	"	660.1

1891 február 5. du.

Objektiv: 225

340	2h	55m	28.0	8.3
300			36.3	11.0
250			47.3	10.9
200			58.2	10.9
150		56	9.1	
150	3	6	3.0	13.0
200			16.0	13.4
250			29.4	13.2
300			42.6	13.7
350			56.3	
290		17	1.0	6.5
270			7.5	6.5
250			14.0	6.9
230			20.9	6.3
210			27.2	
			← megszűnt járni a gép 3h 25m	
230		27	46.2	8.2
250			54.4	8.1
270		28	2.5	
270		38	28.4	10.1
250			38.5	10.0
230			48.5	
230		49	5.2	12.1
250			17.3	12.5
270			29.8	
554.75		54	30	
270		59	47.1	15.1
250			2.2	15.2
230	4	0	17.4	
7.25		5	10	

Kocsi mellé épült a forgalom által elég erős zenge.

245	10	35.0	4.2
250		39.2	4.6
255		43.8	
450.95	15	55	
255	21	20.0	5.4
250		25.4	5.9
245		31.3	
91.05	26	35	

245			—	
250	4h	32	2.0	−1°
255			9.1	−1°
383.0		37	20	7.1
255				
250			elmulasztottam.	
245				
176.05		48	0	
250		53	2.8	4.2
252			26.0	4.2
254			30.2	

Kéthangyán miatt ismét erősen zeneg.

338.25	58	40	
254	5h	4m	3.2
252			8.4
250			13.8
182.15		9	25
250		14	4.6
252			48.0
254			54.3
309.05		20	0
254		25	23.0
252			31.0
250			38.9
206.05		30	45
250		36	0.0
252			10.1
254			19.8
289.85		41	25

5.2 5.4 6.4 6.3 8.0 7.9 10.1 9.7

Temp + 4°2

Egész délután nyugodalmas az adatok. A kéthangyás a ház előtt.

340 Cassiopeia

$L_0 = 10h.\ 24m\ 55{,}2\ s$

$l_0' = \ \ \ \ 39m\ 14{,}4\ s$

$t_8 = 12 \quad 19m\ 36{,}8\ s$

$t_8' = \quad\ \ 33m\ 50{,}1\ s$

~~$a = 21.\ 8\ 54{,}4\ s$~~ =

$a = 14.\ 54m\ 41{,}6 = 6881{,}6$

$b = 14.\ 54m\ 35{,}7 = 6875{,}7$

$\delta = 0{,}756$

$\log \delta = 0{,}8785218 - 1$

$\log 1+\delta = 0{,}2445245$

$\frac{1}{8}\frac{a+b\delta}{1+\delta} = 859{,}88$ correctio $1{,}8$ ut $0{,}23$

lehet

$T = 860{,}11$

1891. február 5. d. u.

230

55	51.7	632.3			+.2582			
6	24.0	656.9	−	24.6	2581	1.3909	1.1327	−13.57	643.33
17	20.9	625.3		+31.6		4997	2415	+17.44	42.74
27	46.2	662.3		−37.0		5682	3100	−20.42	41.88
38	48.5	616.7		+45.6		6590	4008	+25.17	41.87
49	5.2	672.2		−55.5		7443	4861	−30.63	41.57
0	17.4								

248

49	16.1	647.6						
58	3.7	633.8		+18.8		1399	8817	+7.62	41.42
10	37.5	650.3		−16.5		2175	9593	−9.11	41.19
21	27.8	630.4		+29.9		2985	0407	+10.98	41.38
31	58.2								

egy ~~hugó~~ ötnemek elmulasztva

254

53	30.2	633.0						
4	3.2	651.1		−18.1		2577	9996	−9.99	41.11
14	54.3	628.7		+22.4		3502	0921	+12.36	41.06
25	23.0	656.8		−28.1		4487	1906	−15.51	41.29
36	19.8								

250

55	47.3	642.1			+.2582			
6	29.4	644.6	−	2.5	2581	0.3979	0.1397	−1.38	643.22
17	14.0	640.4		+4.2		6232	3650	+2.32	42.72
27	54.4	644.1		−3.7		5682	3100	−2.04	42.06
38	38.5	638.8		+5.3		7243	4661	+2.92	41.72
49	17.3	644.9		−6.1		7853	5271	−3.37	41.53
0	2.2	637.0		+7.9		8976	6394	+4.36	41.36
10	39.2	646.2		−9.2		9638	7056	−5.08	41.12
21	25.4	635.6		+10.6		0253	7671	+5.85	41.45
32	1.0								

egy ötnemek elmulasztva

53	21.8	652.0				1257		
4	13.8	627.8		+24.2		~~3838~~	~~+13.36~~	~~1.336~~ 41.16
14	41.6	657.3		−29.5		4698	2117	−16.28	41.02
25	38.9	621.1		+36.2		5587	3006	19.98	41.08
36	0.0								

270

55	42.9	651.8			+.2582			
6	34.7	632.8		+19.0	2581	1.2748	1.0206	+10.48	643.28
17	7.5	655.0		−22.2		3464	0882	−12.25	642.75
28	2.5	626.1		+28.9		4609	2027	+15.95	642.05
38	28.4	661.4		−35.3		5478	2896	−19.48	641.82
49	29.8	617.3		+44.1		6444	3862	+24.33	41.63
59	47.1								

252

49	18.6	642.1						
0	0.7	640.1		+2.0		0.3010	0428	+1.10	641.20
10	40.8	642.4		−2.3		3617	1035	−1.27	41.13
21	23.2	640.6		+1.8		2553	9979	+0.99	41.59
32	3.8								

Egy ötnemek elmulasztva.

53	26.0	642.4						
4	8.4	639.6		+2.8		4472	1891	+1.54	41.14
14	48.0	643.0		−3.4		5315	2734	−1.88	41.12
25	31.0	639.1		+3.9		5911	3330	+2.15	41.25
36	10.1								

554.75	− 2.95	551.80	543.69	73 535			
7.25	+ 0.86	8.11	441.88	64 530	90995	0.8127	25.809	47726	300.09	251.71
450.95	− 0.96	449.99	358.74	55 477	90947	8118	25811	38719	243.89	252.00
91.05	+ 0.20	91.25	291.42	46 452	90975	8124	25826	29651	197.93	252.06
383.0	− 0.33	382.67	236.58	37 397	90945	8118	25811	20641	160.84	252.09
146.05	+ .04	146.09	192.04	28 339	90942	8117	25809	11588	130.58	252.09
338.25	− .12	338.13	155.97	19 304	90965	8122	25821	02518	105.97	252.06
182.15	+ .01	182.16	126.84	10 326	91022	8132	25844	93460	86.02	252.11
309.05	− .05	309.00	102.95	01 263	90937	8116	25807	84519	70.01	252.17
206.05	+ .00	206.05	83.78	92 314	91051	8138	25859	75404	56.76	252.24
289.85	− .02	289.83								

1891. Februar 6. delelött

290	10h. 11m.	31·5	
270	—	39·2 –	
250	—	46·6 +	
230	—	54·3	
210	— 12m.	2·0	
230	— 22m.	9·7	
240	—	14·5 –	
250	—	19·1 +	
260	—	23·6 ○	t_0
270	—	28·2 –	
280	—	33·0	
290	—	37·5	
280	— 32m	55·6	
270	33m	1·3 –	t_0'
260	—	7·0 ○	
250	—	12·7 +	
250	43m	39·6 +	
260		46·7 ○	=
270		53·8 –	
270	54m	21·5 –	
265	—	25·8 ∨	
260	—	30·2 ○	
255	—	34·5 ∩	
250	—	39·0 +	
	fudul	98·2	
250	4	58·3 +	
255	— 5m.	3·5 ∩	
260	—	9·0 ○	
265	—	14·2 ∨	
270	—	19·5 –	
	fudul	434·0	
265	— 15m.	46·6 ∨	
260	—	53·2 ○	
255	—	59·9 ∩	
	fudul	121·0	

255	26m.	27·7 ∩	
260		30·8 ○	
262		33·6 –	
265		38·9 ∨	
	fudul	375·1	
265	37m.	6·6 ∨	
262		12·6 –	
261		14·6 ∩	
260		16·5 ○	
	fudul	168·9	
260	— 47m.	51·9 ○	
261	—	54·2 ∩	
262	—	56·0 –	
265	— 48m.	4·3 ∨	
		336·2	
262	58m.	34·1 –	
261		37·0 ∩	
260		40·0 ○	
	fud	200·3	
260	9m.	12·6 ○	
261		16·3 ∩	t_{10}
262		20·0 –	
	fudul	310·8	
262	19m.	55·1 –	
261		59·8 ∩	t_{10}'
260		64·3 ○	
	fudul	221·0	
260	30m.	32·0 ○	
261		37·5 ∩	
262		43·0 –	
	fudul	294·0	
262	41m.	15·4 –	
261		22·5 ∩	
260		29·7 ○	
		234·8 fudul	

Elongation
385·0
313·0
254·1
206·2
167·3
135·9
110·5
89·8
73·0
59·2
8

0·811
812
812
811
812
813
813
813
811

Egyenes
261·2
261·3
261·2
261·2
261·2
261·2
261·2
261·3
261·3

I

250	641·9	260		270	642·0
"	641·8	"	641·7	"	641·6
"	641·4		641·4	"	641·5
"	641·3	"	641·4	"	641·4
265	641·2	"	641·2	255	641·3
	641·3	"	641·2	"	641·3
"	641·3	"	641·2		
"	641·3	"	641·1	262	641·0
268	641·0	"	641·1	"	641·0
"	641·2	"	641·2	"	641·6
"	641·2	"	641·2	"	641·1
"	640·9	"	640·9	"	640·8
"	641·0	"	641·1	"	640·0

t_0 = 11h. 22m 23,6

t_0' = " 33m ~~17~~ 7,0

t_{10} = 11h. ~~19~~ 20m ~~16~~ 12,6

t_{10}' = " 20m ~~58~~ ~~4,3~~ 4,3

~~a = 11h. 46m 32,7 = 6432,7~~

~~b = 11h. 46m 58,5 = 6418,5~~

$d = 0{,}8125$

$\log d = 0{,}9098234 - 1$

$\log 1+d = 0{,}2582780$

~~$\frac{a+bd}{2n(1+d)}$~~ $a = ~~6409,0~~ ~~6414,7~~ 6403,3$

$b = ~~6421,0~~$

$a = 6409,0$

$6417,3$

$\frac{a+bd}{2n(1+d)} = 641{,}27$ amplitud korrektus

$\lambda = 0{,}11$

$T = 641{,}16$

1891. februar 6. este.

370	9^h	21	21.4	
360			27.0	
350			32.4	
340			38.1	
330			43.8	5.5
320			49.3	5.7
310			55.0	5.4
300		22	0.4	6.0
290			6.4	
280			12.0	
270			18.0	
260			23.5	
260		35	8.1	
270			15.3	
280			22.9	
290			30.0	
300			37.2	7.2
310			44.4	7.2
320			52.0	7.6
330			59.3	7.3
340		36	6.6	
350			14.0	
360			21.7	
370			29.0	
350		50	51	
340			14.9	9.8
330			24.2	9.3
320			34.4	10.2
310			44.2	9.8
88.5		57	10	
320	10	4	24.0	
330			36.9	12.9
340			49.8	12.9
519.9		11	30	
340		18	50.0	
330		19	6.8	16.8
320			24.0	17.2
193.65		25	50	
331		33	15.2	4.2
333			19.4	4.7
335			24.1	
439.95		40	15	
335		47	36.1	5.9
333			42.0	6.1
331			48.1	
253.55		54	35	

Objektiv 290

331	11^h	1	50.0	
333			57.9	7.9
335		2	6.0	8.1
394.3		8	55	
335		16	13.0	
333			23.4	10.4
331			33.9	10.5
287.9		23	20	
331		30	32.0	
333			35.5	13.5
335			49.0	13.5
368.35		37	35	
335		44	47.5	
333		45	6.4	
331			25.0	
307.55		52	0	

temperatum = + 4.1 C

1891. február 6. este.

2448
2447

320								
21	49.3	842.7						
35	52.0		-39.7	1.5988	3540	-22.69		859.80
50	34.4	882.4						
4	24.0	829.6	+52.8	1326	4778	+30.05		859.65
19	24.0	900.0	-70.4	8476	6028	-40.06		859.94
331								
4	38.2	866.9						
19	5.1	850.1	+16.8	2253	9805	+9.56		59.99
33	15.2	872.9	-22.8	3579	1131	-12.98		59.92
47	48.1	841.9	+31.0	4514	2467	+17.65		59.55
1	50.0	883.9	-42.0	6232	3787	-23.92		59.98
16	33.9	828.1	+55.8	7466	5021	+31.78		59.88
30	22.0	903.0	-74.9	8745	6299	-42.65		60.35

2448
2447

330								
21	43.8	855.5						
35	59.3	864.9	- 9.4	0.9731		7283	-5.35	859.55
50	24.2	852.7	+12.2	0864		8716	+6.94	859.64
4	36.9	869.9	-17.2	2365		9907	-9.79	860.11
19	6.8							
333								
4	40.8	861.0						
19	1.8	857.6	+ 3.4	5315		2867	+1.93	59.53
33	19.4	862.6	- 5.0	6990		4542	-2.85	59.75
47	42.0	855.9	+ 6.7	8261		5814	+3.81	59.71
1	57.9	865.5	- 9.6	9823		7378	-5.47	60.03
16	23.4	852.1	+13.4	1271		8826	+7.63	59.73
30	35.5	870.9	-18.8	2742		0296	-10.71	60.19

2448
2447

340								
21	38.1	868.5						
36	6.6	848.3	+20.2	1.3054		0606	+11.50	859.80
50	14.9	874.9	-26.6	4249		1801	-15.14	859.76
4	49.8	840.2	+34.7	5403		2955	+19.75	59.95
18	50.0							
335								
4	43.3	855.1						
18	58.4	865.7	-10.6	0253		7805	- 6.03	59.67
33	24.1	852.0	+13.7	1367		8919	+ 7.80	59.80
47	36.1	869.9	-17.9	2529		0082	-10.19	59.71
2	6.0	847.0	+22.9	3598		1153	+13.04	60.04
16	13.0	876.0	-29.0	4624		2179	-16.52	59.48
30	49.0	838.5	+37.5	5740		3294	+21.35	59.85
44	47.5							

88.5	+ 0.68	89.18							
519.9	- 1.01	518.89	429.71	63 318					
193.65	+ .07	193.72	325.17	51 211	87893	0.7567	24 470	38848	244.61	333.79
439.95	- .28	439.67	245.95	39 085	87874	7564	24 462	26749	185.13	333.76
253.55	+ .01	253.56	186.11	26 977	87892	7567	24 470	14615	140.01	333.73
394.3	- .09	394.21	140.65	14 814	87837	7557	24 445	02532	106.00	333.67
287.9	+ .00	287.90	106.31	02 657	87843	7558	24 447	90367	80.11	333.67
368.35	- .04	368.31	80.41	90 531	87874	7564	24 462	78195	60.53	333.68
307.55	.00	307.55	60.76	78 362	87831	7556	24 442	66089	45.80	333.70

1891. Januar 7. Aufbott

280			17.9
290			19.2
300			25.4
310			31.7 v
320			38.0 —
330			44.4 |
340			50.7
350			57.2
360	—	13m.	3.5 —
370	—		10.2
320		26m.	14.0
360			22.1
350			30.2
340			38.5 —
330			46.7 |
320			55.1 —
310	—	27m.	3.5 v
300	—		12.0
		fodral	32.8
200		40m.	5.8
310		41m.	5.8 v
320			16.6 —
330			27.7 |
340			39.0
		for	536.5
330		55m.	19.9 |
325	—		27.0
332	—		31.3 °
320	—		34.1 —
315	—		41.7 /
310	—		48.9 v
		fodral	155.7

310	—	9m.	37.5 v
315	—		47.1 /
318	—		52.8 .
320	—		56.3 —
322	—	10m.	0.4 °
325	—		6.4 .
330	—		16.1 |
		fodral	443.8
325	—	24m.	0.8
322	—		8.4 °
326	—		13.5 —
318	—		18.3 v
315	—		26.2 /
			226.0
318		39m.	30.5 .
319	—		340 +
320	—		37.6 —
321	—		40.5 >
322	—		43.9 °
		fod	390.4
322		52m.	43.0 °
321			47.5 >
320			51.4 —
319			55.8 +
318			60.0 .
		bud	266.0
319		2m.	11.3 +
320			17.5 —
321		"	23.2 >

330	859.0	320
"	860.0	310
"	859.8	"
"	859.5	"
345	859.9	322
318	859.8	"
319	859.4	321

1892 február 7. este.

290	9h	18m	23.0	10.0
270			33.0	
250			42.9	9.9
230			53.0	10.1
210		19	3.0	10.0
210		28	51.4	12.1
230		29	3.5	12.2
250			15.7	12.4
270			28.1	12.5
290			40.6	
290		39	37.6	
270			52.6	15.3
250		40	7.9	
230			23.3	
210			39.0	
13.85		45	15	
250		50	36.2	9.6
260			45.8	9.2
270			55.0	
455.25		55	55	
270	10	1	10.3	11.6
260			21.9	11.4
250			33.3	
97.1		6	40	
250		11	55.1	
260		12	9.2	14.1
270			23.8	
387.85		17	20	
259			—	
257			—	
255		22	51.2	10.0
250		23	0.2	
151.9		28	0	
255		33	23.0	4.2
257			27.2	
259			31.4	
343.1		38	45	
259		44	5.4	
257			10.8	
255			16.0	
187.95		49	25	

Objektiv 225.

255	10h	54	42.4	
257			49.1	
259			55.6	
314.0	11	0	10	
259		5	25.4	
257			38.5	
255			41.3	
211.7		10	45	
255		16	0.6	
257			10.3	
259			20.2	
294.8		21	30	

Temperatum = + 4.1°

6.1

4.27

1892. febr. 7. este

0.2583

250							
18 42.9							
29 15.7	632.8						
40 7.9	652.2	-19.4	1.2878	1.0295	-10.70		641.50
50 56.2	628.3	+23.9	3784	1201	+13.19		41.49
1 33.3	657.1	-28.8	4594	2011	-15.89		41.21
11 55.1	621.8	+35.3	5478	2896	+19.48		41.28
255							
1 27.6	634.6						
12 2.2	649.0	-14.4	1584	9003	-7.95		41.05
22 51.2	631.8	+17.2	2355	9774	+9.49		41.29
33 23.0	653.0	-21.2	3263	8884	-11.71		41.29
44 16.0	626.4	+26.6	4249	1669	+14.69		41.09
54 42.4	658.9	-32.5	5119	2536	-17.93		40.97
5 41.3	619.3	+39.6	5977	3397	+21.86		41.16

0.2583

260							
18 38.5							
29 21.9	643.4						
40 0.2	638.3	+5.1	0.7076	0.4493	+2.81		641.11
50 45.8	645.6	-7.3	8633	6050	-4.03		41.57
1 21.9	636.1	+9.5	9777	7194	+5.24		41.34
12 9.2	647.3	-11.2	0492	7910	-6.18		41.12
257							
1 25.1	639.9						
12 5.0	642.2	-2.3	3617	1036	-1.27		40.93
22 47.2	640.0	+2.2	3424	0843	+1.21		41.21
33 27.2	643.6	-3.6	5563	2984	-1.99		41.19
44 10.8	638.3	+5.3	7243	4663	+2.93		41.23
54 49.1	644.4	-6.1	7853	5270	-3.37		41.03
5 33.5	636.8	+7.6	8808	6228	+4.20		41.00
16 10.3							

0.2583

270							
18 33.0							
29 28.1	655.1						
39 52.6	624.5	+30.6	1.4857	1.2274	+16.88		641.38
50 58.0	662.4	-37.9	5786	3203	-20.91		41.49
1 10.3	615.3	+47.1	6730	4147	+25.98		41.28
12 23.8	673.5	-58.2	7699	5067	-32.11		41.39
259							
1 23.0							
12 7.8	644.8						
22 43.2	635.4	+9.4	9731	7150	+5.19		40.59
33 31.4	648.2	-12.8	1072	8491	-7.07		41.13
44 5.4	634.0	+14.2	1523	8944	+7.84		41.84
54 55.6	650.2	-16.2	2095	9515	-8.94		42.78
5 25.4	629.8	+20.4	3096	0513	+11.26		41.06
16 20.2	654.8	-25.0	3979	1399	-13.80		41.00

13.85	+0.78	14.63	439.61	64307	90956	0.8120	25816	38491	242.61	257.24
455.25	-1.01	454.24	356.97	55263	91010	8130	25840	29423	196.89	257.35
97.1	+0.17	97.27	290.22	46273	90936	8116	25806	20467	160.20	257.47
387.85	-.36	387.49	235.55	37209	90901	8110	25792	11417	130.07	257.42
151.9	+.04	151.94	191.03	28110	90926	8114	25802	02308	105.46	257.40
343.1	-.13	342.97	155.01	19036	91000	8128	25835	93201	85.51	257.46
187.95	+.01	187.96	125.98	10036	90926	8114	25802	84234	69.56	257.52
314.0	-.06	313.94	102.24	00962	90982	8125	25828	75134	56.41	257.53
211.7	+.00	211.70	83.07	91944						
294.8	-.03	294.77								

1891: februar 8.

270 10h. 15m. 50.2 -
250 —— 56.3 o
230 —— 16m. 2.6 +

230 26m. 29.2 +
240 —— 33.1 1
250 —— 36.9 o
260 —— 40.6 .
270 —— 44.3 -

270 — 37m. 11.7 -
260 —— 16.4 .
250 —— 21.1 o
240 —— 25.7 1
230 —— 30.4 +

240 — 47m. 54.1 1
245 — 57.0 v
250 - 48m 0.0 0
255 — 3.0 n
260 —— 5.8 .

260 — 58m. 37.3 .
255 —— 41.0 n
250 —— 44.7 o
245 —— 48.2 v
240 —— 51.8 1

245 9m. 17.9 v
250 — 21.3 o
252 — 23.4 7
255 —— 26.4 n

fudul 46.2.0

255 20m. 2.7 n
245 —— 7.9 10
240 —— 13.4 av

fudul 82.2

248 30m. 37.0 v
250 —— 43.8 o
252 —— 46.2 —
255 —— 50.4 n

fudul 390.1

255 41m. 23.3 n
252 —— 28.3 —
250 —— 31.4 o
245 —— 39.8 v

fudul 40.2

250 - 52m. 4.4 o
252 —— 8.5 —
255 —— 14.6 n

fudul 343.0

255 1h. 2m. 47.5 n
252 —— 51.0 —
250 —— 55.9 o

fudul 178.4

250 13m. 24.2 o
251 —— 27.3 ∞
252 —— 30.2 —
253 —— 33.4 8
255 —— 36.5
255 —— 39.5 n

fudul 312.1

255 24m. 2.2 n
253 —— 9.6 8
252 —— 13.4 —
251 —— 17.2 ∞
250 —— 21.0 o

fudul 203.7

250 34m. 47.2 ∞
252 —— 51.9 —
253 —— 56.5 8

fudul 291.8

253 45m. 30.2 8
252 —— 35.8 —
251 —— 41.5 ∞

fudul 220.2

251 — 56m. 5.8 ∞
252 —— 13.2 —
253 —— 20.5 8

fudul 278.2

Elongatio

379·8
307·9
249·9
202·8
164·6
133·7
108·4
82·1
71·6
58·0

d

0·811
812
812
812
812
811
813
813
811

Eperaxy

252·3
252·1
252·2
252·1
252·2
252·2
252·3
252·3
252·3

I

270	642·1	750	642·2	230	642·1
260	641·9		641·8	240	641·8
	641·4		641·5		641·5
755	641·3		641·5	245	641·6
	641·3		641·2		641·3
	641·2		641·3		641·2
	641·1		641·1		641·2
	641·1		641·1	252	641·2
	641·3		641·3		641·2
	641·0		641·1		641·0
251	640·9	753	641·0		640·9
255	641·1	756	641·1	752	641·1
751	641·1	758	641·0	"	641·1
"	640·9	"	641·1	"	640·0

189
280
290
300
310
320
330
340
350
360
360
350
340
330
320
310
300
290
310
320
330
340
350
340
330
320
310
312
310
320
330
515
330
320
31
185
326
325
33
435
330
328
326
248

1891. február 8. este.

280	9	23	80	4.0
290			12.0	4.2
300			16.2	4.2
310			20.4	4.1
320			24.5	4.5
330			29.0	4.0
340			33.0	4.1
350			37.1	4.3
360			41.4	
360		37	29.8	5.4
350			35.2	5.8
340			41.0	5.3
330			46.3	5.7
320			52.0	5.6
310			57.6	5.7
300		38	3.3	5.7
290			9.0	
310		54	53.1	7.6
320		52	0.7	7.3
330			8.0	7.1
340			15.1	7.7
350			22.8	
340	10h	6	15.2	9.8
330			25.0	9.4
320			34.4	10.0
310			44.4	
83.25		13	15	
310		20	22.2	12.8
320			35.0	12.9
330			47.9	
515.1		27	40.4	
330		35	3.3	17.1
320			20.4	17.5
310			37.9	
188.6		42	0	
326		49	19.4	4.6
328			24.0	4.2
330			28.2	
435.05		56	20	
330	11	3	40.9	6.1
328			47.0	5.9
326			52.9	
248.5		10	40	

Objektiv 290.

327	11h	17	~~58.0~~	58.0
328			1.8	19 3.9
330				9.9 8.0
389.65		25	5	
330		32	18.0	
328			28.0	
326			38.4	
282.9		39	25	
326		46	25.3	
328			39.1	
330			53.0	
363.6		53	35	

temp +4°.0

1891. február 8. este.

0.2445

310						
23 20.4						
37 57.6	877.2	+41.7	1.6201	1.3756	+23.75	859.25
52 53.1	835.5	-55.8	7466	5021	-31.78	859.52
6 44.4	891.3	+73.5	8863	6218	+41.88	859.68
20 22.2	817.8	-97.9	9908	7463	-55.76	859.94
35 37.9	915.7					
326						
20 42.7						
35 10.1	867.4	+18.1	2788	0130 -~~128~~ 10.30		859.60
49 19.4	849.3	-24.2	3838	1393 +1378		859.72
3 52.9	873.5	+32.4	5105	2658 +18.44		859.54
17 54.0	841.1	-43.3	6365	3917 -24.64		859.76
32 38.4	884.4	+57.5	7597	5151 +32.74		859.64
46 25.3	826.9					

0.2445

320						
23 24.5						
37 52.0	867.5	+18.8	1.2742	1.0297	+10.71	859.41
52 0.7	848.7	-25.0	3975	1534	-14.24	859.46
6 34.4	873.7	+33.1	5198	2753	+18.85	859.45
20 35.0	840.6	-44.8	6513	3904	-25.52	859.88
35 20.4	885.4					
328						
20 45.4	861.3		6021			
35 6.7	867.3	+4.0	~~7782~~	3574 +2.28		859.58
49 24.0	863.0	-5.7	7559	5114 -3.25		859.75
3 47.0	854.9	+8.1	9085	6638 +4.61		859.51
18 1.9	866.1	-11.2	0492	8044 -6.37		859.73
32 28.0	851.1	+15.0	1761	9315 +8.54		859.64
46 39.1						

0.2445

330						
23 29.0						
37 46.3	857.3	-4.4	0.6435	0.3990	-2.51	859.19
52 8.0	861.7	+4.7	6721	4276	+2.68	859.68
6 25.0	857.0	-5.9	7709	5264	-3.36	859.54
20 47.9	862.9	+7.5	8751	6306	+4.27	859.67
35 3.3	855.4					
49 28.2	864.9	-9.5	9777	7330	-5.41	859.49
3 40.9	852.7	+11.6	0645	8200	+6.91	859.31
18 9.9	869.0	-16.3	2122	9675	-9.28	859.72
32 18.0	848.1	+20.9	3201	0753	+11.89	859.99
46 53.0	875.0	-26.8	4298	1852	-15.32	859.68

83.25 + .74 =	83.99	430.16	63 363					
515.1 - .95	514.15	325.47	51 251	87888	0.7566	24467	38.896	244.88
188.6 + .08	188.68	246.10	39 111	87860	7561	24455	26796	185.33
435.05 - 27	434.78	186.27	27 014	87903	7569	24474	14637	140.08
248.5 + .01	248.51	141.06	14941	87927	7573	24484	02530	106.00
389.65 - .08	389.57	106.67	02804	87863	7562	24457	90484	80.32
282.9 00	282.90	80.67	90 671	87867	7563	24460	78341	60.74
363.6 - 03	363.57							

~~328~~ 328.87
328.82
328.76
328.78
328.83
328.83

1891. februari G.

360 10h. 12m. 5·6 6
350 —— 59 41
340 — 13m. 2·6 0
330 —— 5·7 —
320 —— 8·7
310 —— 11·7
300 — 15·2

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300 27m. 4·6
310 —— 8·7
320 — 12·7
330 —— 16·7 —
340 — 20·6 0
350 — 24·6 1
360 — 28·8

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350 41m. 35·9 1
345 — 38·1 2
340 — 41·3 0
330 — 47·5 2 (46·5) —

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330 — 55m. 52·1 —
335 — 5·5·4 V
340 —— 5·9 0 0
345 — 56m. 2·3 ∩
350 —— 6·5 1

---

350 11h. 10m. 11·8 A
345 —— 16·2 ∩
340 —— 20·9 0
335 —— 25·5 V
330 —— 30·4 —

87·0 futul

335 24m. 31·1 V
340 —— 37·2 0
345 —— 43·4 ∩

futul 535·0

345 — 38m. 53·2 ∩
342 —— 58·0 —
340 — 39m. 1·4 0
335 —— 9·7 V

futul 196·0

340 — 53m. 15·0 0
341 — 17·5
342 — 19·2 —
343 — 21·8 —
345 —— 26·2 ∩

futul 452·2

345 12h. 7m. 28·7 ∩
344 —— 31·0 1
342 —— 36·8 —
340 —— 42·7 0

futul 258·4

340 28 51·6 0
342 —— 59·0 —
344 27m. 6·7 1
345 —— 70·5 ∩

futul 405·0

344 36m. 5·9 1
342 — 15·8 —
340 — 26·0 0

futul 294·0

340 50m. 25·0 0
342 38·8 —
344 51·9 1

futul 378·0

Elongatio

448·0
339·0
756·2
193·8
146·6
111·0
84·0

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330	859·1	340	859·2	350	859·2	547
"	859·4	"	859·4	"	859·6	260
"	859·7	"	859·5	"	859·7	250
335	859·6	"	859·5	345	859·6	240
"	859·8	"	859·7	"	859·8	0·02
		"	859·6	"	859·5	240
342	859·7	"	859·7	"	859·9	250
"	859·6	"	859·6	"	859·4	260
"	860·1	"	859·9	"	860·0	443
"	859·5	"	859·2	"	859·3	260
						250
						240
						84·0

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342·0
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341·8
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376·0
260
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139·0
243
245
247
331·3

1891. február 9.

290	9 h	35	22.6	6.6
270			29.2	6.5
250			35.7	6.6
230			42.3	6.7
210			49.0	
210		46	5.0	8.0
230			13.0	8.0
250			21.0	8.1
270			29.1	8.2
290			37.3	
290		56	39.2	9.8
270			49.0	10.0
250			59.0	10.0
230		57	9.0	10.0
210			19.0	
240	10	7	39.4	5.8
250			45.2	5.9
260			51.1	
547.6		12	55	
260		18	13.3	7.7
250			21.0	7.2
240			28.2	
0.02		23	35	
240		29	0.5	9.5
250			10.0	9.0
260			19.0	
443.95		34	20	
260		39	30.1	11.2
250			41.3	11.6
240			52.9	
84.0		45	0	
240		50	20.5	13.9
250			34.4	14.5
260			48.9	
376.05		55	40	
260	11	0	43.7	17.3
250		1	1.0	17.2
240			18.2	
139.05		6	20	
243		11	45.2	
245			49.3	
247			54.0	
331.3		17	0	

Objektív 230

247	11	22	26.6	
245			32.1	5.5
243			37.2	5.1
1751.2		27	45	
243		33	5.3	6.4
245			11.7	6.3
247			18.0	
302.0		38	25	
247		43	46.5	7.9
245			54.4	8.1
243		44	2.5	
199.05		49	5	

Temper: + 4.0

1891. február 9.

2582

240

35 39.0						
46 17.0	638.0					
57 4.0	647.0	−9.0	9542	6960	−4.97	642.03
7 39.4	635.4	+11.6	0645	8063	+6.40	641.80
18 28.2	648.8	−13.4	1271	8689	−7.40	641.40
29 0.5	632.3	+16.5	2175	9593	+9.11	641.41
39 52.9	652.4	−20.1	3032	0449	−11.09	641.31
50 20.5	627.6	+24.8	3945	1363	+13.69	641.29
1 18.2	657.7	−30.1	4786	2204	−16.61	641.09

243

50 24.7						
1 12.9	648.2					
11 45.2	632.3	+15.9	2014	9433	+8.78	641.08
22 37.2	652.0	−19.7	2945	0364	−10.87	641.13
33 5.3	628.1	+23.9	3784	1202	+13.19	641.29
44 2.5	657.2	−29.1	4639	2056	−16.05	641.15

2582

250

35 35.7						
46 21.0	645.3					
56 59.0	638.0	+7.3	8633	6051	+4.03	642.03
7 45.2	646.2	−8.2	9138	6556	−4.52	641.68
18 21.0	635.8	+10.4	0170	7588	+5.74	641.54
29 10.0	649.0	−13.2	1206	8624	−7.28	641.72
39 41.3	631.3	+17.7	2480	9897	+9.77	641.07
50 34.4	653.1	−21.8	3385	0803	−12.03	641.07
1 1.0	626.6	+26.5	4232	1650	+14.62	641.22

245

50 27.4						
1 9.6	642.2					
11 49.3	639.7	+2.5	3979	1398	+1.38	641.08
22 32.1	642.8	−3.1	4914	2339	−1.71	641.09
33 11.7	639.6	+3.2	5051	2469	+1.77	641.37
43 54.4	642.7	−3.1	4914	2331	−1.71	640.99

2582

260

35 32.5						
46 25.1	652.6					
56 54.0	628.9	+23.7	3747	1165	+13.08	641.98
7 51.1	657.1	−28.2	4502	1920	−15.56	641.54
18 13.3	622.2	+34.9	5428	2846	+19.26	641.46
29 19.0	665.7	−43.5	6385	3803	−24.00	641.70
39 30.1	611.1	+54.6	7372	4789	+30.12	641.22
50 48.9	678.8	−67.7	8306	5724	−37.36	641.44
0 43.7	594.8	+84.0	9243	6661	+46.35	641.15

247 30.2

50 ~~39.6~~						
1 6.2	636.0					
11 54.0	647.8	−11.8	0719	8138	−6.51	641.29
22 26.6	632.6	+15.2	1818	9237	+8.39	640.99
33 18.0	651.4	−18.8	2742	0160	−10.37	641.03
43 46.5	628.5	22.9	3598	1015	+12.63	641.13

547.6 − 2.64	544.96								
0.2 + 1.01	1.21	543.75	73540	90995	0.8127	25833	47707	299.96	245.00
443.95 − 0.81	443.14	441.93	64535	90960	8121	25818	38717	243.88	245.09
84.0 + 0.26	84.26	358.88	55495	90974	8123	25823	29672	198.02	245.12
376.05 − 0.26	375.79	291.53	46469	90947	8118	25811	20658	160.91	245.17
139.05 + 0.06	139.11	236.68	37416	90939	8117	25809	11607	130.64	245.15
331.3 − 0.08	331.22	192.11	28355	90957	8120	25816	02539	106.02	245.12
175.2 + 0.02	175.22	156.00	19312	90983	8125	25828	93484	86.07	245.15
302.0 − 0.03	301.97	126.75	10295	90955	8120	25816	84479	69.95	245.15
199.05 + 0	199.05	102.92	01250						

1891. január 10. délután

270 16h. 53m 45:31
250 —— 51·3 —
230 —— 57·2 /

230 11h. 4m. 27·4 /
240 —— 31·2 +
250 —— 34·7 —
260 —— 38·3 °
270 —— 42·1 |

270 — 15m. 6·4 |
260 —— 10·9 °
250 —— 15·4 —
240 —— 19·9 +
230 —— 24·4 /

240 — 25m. 53·2 +
250 —— 58·5 —
260 —— 64·3 °

260 36m. 31·2 °
255 34·4 ^
250 (35 0)39·9 — 39,3
245 41·3 v
240 44·8 +

240 47m. 14·1 +
245 —— 18·2 v
250 —— 22·3 —
255 —— 26·4 ^
260 —— 30·6 °

fordul 468·8

255 — 57m. 55·7 ^?
250 —— 59·9 —
~~58m. 2·0~~
245 57m. 5·0 v

fordul 69·0

245 8m. 39·4 v
250 —— 45·8 —
255 —— 52·1 ^

fordul 393·1

255 29m. 13·2 ^
250 —— 21·1 —
248 —— 24·1 +
245 —— 28·9 v

fordul 130·0

245 29m. 59·8 v
248 30m. 5·5 +
250 —— 9·3 —
255 —— 18·9 ^

fordul 343·03

250 40m. 41·8 ~~a~~ —
248 —— 46·2 +
245 —— 53·5 v

fordul 170·2

245 51m. 19·1 v
248 —— 27·8 +
250 —— 33·5 —

fordul 311·0

250 2m. 1·4 —
248 —— 8·9 +
245 —— 19·5 v

fordul 196·8

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1891. február 10. este.

9^h 22^m Temp + 2°.9

370	9^h	31^m	14.6	
350			21.0	6.4
330			27.2	6.2
310			33.7	6.5
290			40.0	6.3
270			46.2	6.2
250			53.0	6.8
250		45	12.0	
270			20.3	8.3
290			28.3	8.0
310			37.0	8.7
330			45.4	8.4
350			54.0	8.6
370		46	2.3	8.3
370		59	13.9	
350			55.0	11.1
330	10	0	5.9	10.9
310			17.0	11.1
320		14	18.2	
330			23.3	7.1
340			31.0	7.7
340		28	35.3	
330			45.1	9.8
320			55.0	9.9
85.25		35	35	
320		42	49.0	
330		43	1.8	12.8
340			14.4	12.6
519.0		49	55	
340		57	8.3	
330			25.3	17.0
320			42.7	17.4
190.9	10	4	20	
330		11	39.2	
332			44.0	4.8
334			48.3	4.3
438.3		18	40	
334		25	55.0	
332		26	1.0	
330			6.8	
25.0		32	55	

Objektiv = 290

330	11	40	15.6	
332			23.9	8.3
334			31.2	7.3
392.85		47	15	
334		54	29.2	
332			39.0	
330			49.2	
285.5	12	1	40	

12^h 5^m temperatura +3°.0

1897. február 10. este.

370			2448				
31	30.4						
45	41.2	850.8					
0	11.5	870.3	-19.5	2900	0452	-11.10	859.20
14	16.2	844.7	+25.6	4082	1634	+14.57	9.27
28	55.0	878.8	-34.1	5328	2880	-19.42	9.39
42	49.0	834.0	+44.8	6513	4065	+25.50	9.50
57	42.7	893.7	-59.7	7760	5312	-33.98	9.72
330							
43	1.8						
57	25.3	863.5					
11	39.2	853.9	+9.6	9823	7375	+5.46	9.36
26	6.8	867.6	-13.7	1367	8923	-7.80	9.80
40	15.6	848.8	+18.8	2742	0294	+10.70	9.50
54	49.2	873.6	-24.8	3945	1495	-14.11	9.49

330			2448				
31	27.2						
45	45.4	858.2					
0	5.9	860.5	-2.3	3617	1169	-1.31	859.19
14	23.3	857.4	+3.1	4914	2466	+1.76	9.16
28	45.1	861.8	-4.4	6435	3987	-2.50	9.30
43	1.8	856.7	+5.1	7076	4628	+2.90	9.60
57	25.3	863.5	-6.8	8325	5877	-3.87	9.63
332							
43	4.3						
57	21.9	857.6					
11	44.0	862.1	-4.5	6532	4084	-2.56	9.44
26	1.0	857.0	+5.1	7076	4632	+2.91	9.91
40	23.9	862.9	-5.9	9709	6261	-3.36	9.54
54	39.0	855.1	+7.8	8921	6471	+4.44	9.54

340			2448				
31	24.1						
45	49.7	865.6					
0	0.5	850.8	+14.8	1703	9255	+8.42	859.22
14	31.0	870.5	-19.7	2945	0487	-11.21	9.29
28	35.3	844.3	+26.2	4183	1735	+14.91	9.21
43	14.4	879.1	-34.8	5416	2968	-19.80	9.30
57	8.3	833.9	+45.2	6651	4103	+25.72	9.62
334							
43	6.8						
57	18.5	851.7					
11	48.3	869.8	-18.1	2577	0129	-10.30	9.50
25	55.0	846.7	+23.1	5636	1192	+13.16	9.86
40	31.2	876.2	-29.5	4678	2250	-16.79	9.41
54	29.2	838.10	+38.2	5821	3371	+21.73	9.73

85.25	+0.72	85.97					
519.0	-1.00	518.00	43203	63551			
190.9	+0.08	190.98	327.02	51458	87907	07570	24477	39074	245,88	331.85
438.3	-0.27	438.03	247.05	39278	87820	7555	24440	27018	186.28	331.72
251.0	+0.01	251.01	187.02	27189	87911	7570	24477	14801	140.61	331.59
392.85	-0.09	392.76	141.75	15152	87963	7579	24499	02690	106.39	331.64
285.5	0.00	285.50	107.26	03044	87892	7567	24470	90682	80.69	331.70

1891. február 11. délután
Homérsék. let +2·8°

350 10h. 35m. 12·1
340 — 15·6
330 — 19·3 –
320 — 22·7 |
310 — 26·4 +
300 — 30·1

300 49m. 30·1
310 — 34·4 +
320 — 39·4 |
330 — 44·2 –
340 — 49·2
350 — 53·6

330 11h. 3m. 55·8 –
325 — 58·7 0
320 — 4m. 1·9 |
310 — 8·4 +

310 18m. 8·7 +
315 — 12·6
320 — (16·0) 17·0 –
330 — 25·3 —

330 37m. 31·6 –
325 37·1 0
320 42·5 +
310 53·6 +

fordul 106·2

320 — 46m. 54·0 |
325 — 47m. 1·30
330 — 8·5 — —

fordul 488·3

330 12h. 1m. 5·3 —
325 15·0 0
323 18·7 V
320 24·5 |

fordul 1991

320 15m. 29·4 |
323 — 37·1 V
325 — 42·2 0
330 — 54·9 —

fordul 417·7

325 — 29m. 51·6 0
323 — 58·5 V
320 — 30m. 8·8 |

fordul 252·3

320 44m. 2·0 |
323 15·3 V
325 24·4 0

fordul 377·3

325 58m. 26·7 0
323 — 38·4 V
320 — 56·6 |

fordul 282·8

Homérsék. + 2·9°

323.7	
323.6	
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323.5	
323.5	
323.5	

382.1	
289.2	
218.6	
165.4	
125.0	
94.5	

320	85.9.2	320	85.9.2
	85.9.3	"	85.9.3
	85.9.5	325	85.9.6
	85.9.5	"	85.9.5
	85.9.6	"	85.9.7
323	85.9.7	"	85.9.8
	85.9.8	325	85.9.5
	85.9.5	"	85.9.5
	85.9.5	"	85.9.6
	85.9.6	"	85.9.4

II

1891. február 11. délután.

2^h 55^m Temper + 2°.9

210	2	58	58.5	
230		59	2.0	3.5
250			5.6	3.6
270			9.0	3.4
270	3	9	50.0	
250			54.0	4.0
220			1.0	7.0
210		10	3.0	2.0
210		20	23.6	5.4
230			29.0	5.3
250			34.3	5.6
270			39.9	5.1
290			45.0	
270		31	15.0	6.2
250			21.2	6.8
230			28.0	
240		41	54.6	8.4
260		42	3.0	8.0
280			11.0	
280		52	37.5	9.9
260			47.4	10.0
240			57.4	
240		3	14.7	12.3
260			27.0	18.8
290			45.8	

Megrainl jarni a gép

557.9	8^h	40	~~5879~~	
280		13	98.3	14.9
260		14	3.2	15.7
240			18.9	
12.0	+	19	15	
250		24	41.8	9.2
260			51.0	
270		25	0.3	
454.15		30	0	
257		35	28.0	
255			30.4	
253			32.3	
95.4		40	40	

objektiv 225

253	4	46	5.8
255			—
257			10.9
386.6		51	25
257		52	49.6
255			53.1
253			56.3
150.1		5^h 2	0
253		7	25.5
255			29.8
257			34.0
342.0		12	45
257		18	11.0
255			16.3
253			21.2
1861.5		23	25
253		28	44.8
255			50.7
257			57.3
312.85		34	5
257		39	31.8
255			39.8
253			48.0
210.0		44	45

5^h 48^m temperatura + 3°.02

250 2582

59	5.6					
9	54.0	648.4				
20	34.3	640.3	+8.1	9085	6503 +4.47	644.77
31	21.2	646.9	-6.6	8195	5613 -3.64	43.26
41	58.8	637.6	+9.3	9685	7103 +5.13	42.73
52	46.4	647.6	-10.0	0000	7418 -5.52	42.08
3	20.8	634.4	+13.2	1206	8624 +7.28	41.68
14	18.0	650.2	-15.8	1987	9405 -8.72	41.48
24	4.8	630.8	+19.4	2878	0296 +10.70	41.50

253

14	8.7	635.9	-11.6	0645	8063 +6.40	41.30
24	44.6	647.7	+6.5	2275	9593 -9.11	
35	32.3	633.5	+14.2	1523	8941 +7.84	41.34
46	5.8	650.5	-17.0	2304	9722 +9.38	41.12
56	56.3	629.2	+21.3	3284	0702 +11.75	40.95
7	25.5	655.7	-26.5	4232	1650 -14.62	41.08
18	21.2	623.6	+32.1	5065	2483 +17.71	41.31
28	44.8	663.2	-39.6	5977	3392 -21.84	41.36
39	48.0					

260 2582

59	7.3	644.8				
9	52.1	675.0	-0.2	3010	0428 -0.19	643.90
20	37.8	641.1	+3.9	5911	3329 +2.15	43.25
31	18.2	644.8	-3.7	5682	3100 -2.04	41.76
42	3.0	638.4	+6.4	8062	5480 +3.53	41.93
52	41.4	645.6	-7.1	8513	5931 -3.92	41.68
3	27.0	636.2	+9.4	9731	7149 +5.19	41.39
14	3.2	647.8	-11.6	0645	8063 -6.40	41.40
24	51.0					

255

24	7.1	639.3				
24	46.4	644.0	-4.7	6721	4139 -2.55	41.41
35	30.4	637.9	+6.1	7853	5271 +3.37	41.27
46	8.9	644.8	-6.9	8388	5806 -3.81	40.99
56	53.1	636.7	+8.1	9085	6503 +4.47	41.17
7	29.8	646.5	-9.8	9512	7330 -5.41	41.09
18	16.3	634.4	+12.1	0828	8246 +6.68	41.08
28	50.7	649.1	-14.7	1673	9088 -8.11	40.99
39	39.8					

257 2582

59	9.0	641.0				
9	50.0	649.9	-8.9	9494	6912 -4.91	644.99
20	39.7	635.1	+14.8	1703	9121 +8.17	43.27
31	15.0	652.0	-16.9	2279	9697 -9.33	42.67
42	7.0	635.5	+22.5	3522	0940 +12.42	41.92
52	36.5	656.8	-27.3	4362	1780 -15.07	41.73
3	33.3	622.4	+34.4	5366	2784 +18.99	41.39
13	55.7	664.6	-42.2	6253	3671 -23.28	41.32
25	0.3					

257

24	48.2	642.7	+2.9	4624	2042 +1.60	
14	5.5	639.8	+11.4	0568	7987 -6.25	41.40
35	280	642.9	-3.1	4914	2332 -1.71	41.19
46	10.9	638.7	+4.2	6732	3650 +2.32	41.02
56	49.6	644.4	-5.7	7559	4977 -3.15	41.25
7	34.0	637.0	+7.4	8692	6110 +4.08	41.08
18	11.0	646.3	-9.3	9685	7103 -5.13	41.17
28	57.3	634.5	+11.8	0719	8134 +6.51	41.01
39	31.8					40.99

557.9	-3.03	554.87	542.07	73406					
12.0	+0.80	12.80		64380	90974	0.8123	25823	47583	299.11	255.76
454.15	-.00	453.15	440.35							
95.4	+.18	95.58	357.57	55336	91956	8120	25816	38564	243.02	255.82
386.6	-.35	386.25	290.67	46340	91008	8129	25837	29499	197.24	255.91
150.1	+.04	150.14	236.11	37313	90973	8123	25823	20517	160.39	255.97
342.0	-.13	341.87	191.73	28269	90956	8120	25816	11497	130.31	255.94
186.15	+.01	186.16	155.71	19232	90963	8121	25818	02451	105.80	255.94
312.85	-.06	312.79	126.63	10253	91021	8132	25845	93387	85.88	255.99
210.0	.00	210.00	102.79	01195	90942	8117	25809	84444	69.49	256.05

1891. február 12. délelőtt

Barométer: + 2·60

2·30	10h. 20m.	24·6	
2·40	—	29·1	
2·50	—	37·3	|
2·60	—	37·3	–
2·70	—	41·4	+
2·70	31m.	17·8	+
2·60		19·3	–
2·50		24·3	|
2·40		29·5	–
2·30		34·6	
2·50	— 41m.	54·4	|
2·55	—	57·5	o
2·60	— 42m.	0·7	–
2·65	—	3·9	v
2·70	—	7·2	+
2·70	— 52m.	34·1	+
2·65	—	37·9	v
2·60	—	41·(3)7	–
2·55	—	45·8	o
2·50	—	49·71	

fordul 23·3

2·55	11h. 3m.	18·9	10
2·60	—	23·5	–
2·65	—	28·4	v

fordul 45 1·5

2·65	— 13m.	58·4	v
2·60	– 14m.	4·2	–
2·55	—	10·3	o

fordul 104·1

2·55	24m.	38·9	o
2·60	—	46·2	–
2·65	—	53·6	v

pedig 386·0

2·65	35m.	17·6	v
2·62	—	22·8	∞
2·60	—	26·5	–
2·58	—	30·0	+
2·55	—	35·5	o

fordul 157·0

2·55	— 45m.	57·8	o
2·58	— 46m.	4·4	+
2·60	—	8·6	–
2·62	—	13·3	∞
2·65	—	19·8	v

fordul 343·0

2·62	56m.	52·7	∞
2·60	—	58·0	–
2·58	—	53·6	+

fordul 192·0

2·58	7m.	24·6	+
2·60	—	31·3	–
2·62	—	38·0	∞

fordul 314·7

2·62	18m.	7·6	∞
2·60		9·9	–
		18·1	+

fordul 215·0

2·58	— 28m.	43·7	+
2·60	—	54·0	–
2·62	— 29m.	4·0	∞

fordul 296·0

2·62	— 39m.	18·8	∞
2·60	—	31·3	–
2·58	—	43·9	+

fordul 230·2

Barométer: 2·75–

Elongatio

428.2
347.4
281.9
229.0
186.0
151.0
122.7
99.7
81.0
65.8

I

250	641.6	260	641.7	270	641.7
"	641.4	"	641.2	"	641.5
255	641.5	"	641.4	265	641.4
"	641.3	"	641.3	"	641.3
"	641.2	"	641.3	"	641.3
"	641.1	"	641.2	"	641.2
"	641.2	"	641.1	"	641.1
258	641.0	"	640.9	262	641.0
"	641.0	"	641.1	"	641.0
"	641.1	"	641.2	"	641.1
"	641.0	"	641.1	"	641.0
"	641.1	"	641.1	"	641.1

δ

0.811
812
812
812
812
813
813
812
812

Equinox

259.7
259.8
259.7
259.6
259.6
259.7
259.7
259.7
259.7

feb

270
290
310
330
350
370
370
350
330
310
290
270
310
330
350
330
320
86.0
320
330
340
521.1
340
330
320
192.0
332
334
336
440
336
334
332
252.
332
334
336
394.9

februárt 12. 1891. délután.

3h 0m Temperatura = + 2°7

270	3h	1m	0.0	
290			8.3	8.3
310			16.4	8.1
330			25.0	8.6
350			33.4	8.4
370			42.0	8.6
370		15	25.2	
350			36.2	11.0
330			47.3	11.1
310			58.3	11.0
290		16	9.8	11.5
270			21.0	11.2
310		29	48.0	
330		30	2.5	14.5
350			17.1	14.6
330		44	27.0	
330			27.3	4.3
320			37.3	10.0
86.95		51	15	
320		58	26.9	
330			39.4	12.5
340			52.5	13.1
521.1		5	35	
340		12	52.3	
330		13	9.2	16.9
320			26.3	17.1
192.65		19	55	
332		27	00	4.4
334			24.4	4.4
336			28.8	
440.8		34	15	
336		41	35.3	
334			41.2	
332			47.0	
252.95		48	35	
332		55	56.3	
334		56	4.2	
336			12.0	
394.9	5h	2	55	

obj = 290.

336	5h	10	9.3
334			19.2
332			29.6
287.3		17	15
332		24	30.5
334			44.3
336			58.0
368.8		31	35

8h 34m Temp + 2°,85

3h. 44m 28,2

3h. 58 = 44,4 a = 1h 25 55,9 = 5755,9

5h. 10m 19,2 b = 1h. 25 57,9 = 5157,9

" 24 = 44,3 b − a = 4

1892. február 12. délután.

320 2446

1 20.7						
15 52.8	872.1					
	842.5	+29.6	4743	2267	+16.85	859.35
29 55.3		-39.5	5966	3520	-22.49	59.51
44 37.3	882.0					
	829.6	+52.4	7193	4747	+29.83	59.43
58 26.9		-69.8	8439	5993	-39.75	59.65
13 26.3	899.4					

332

58 42.0						
	863.8					
13 5.8		+9.6	9823	7375	+5.46	59.66
	854.2					
27 20.0		-12.8	1072	8625	-7.29	59.71
	867.0					
41 47.0		+17.7	2480	0033	+10.08	59.38
	849.3					
55 56.3		-24.0	3802	1356	-13.66	59.64
	873.3					
10 29.6		+32.4	5105	2655	+18.43	59.33
24 30.5	840.9					

330 2446

1 25.0						
	862.3					
15 47.3		+7.1	8513	6067	+4.04	859.24
	855.2					
30 2.5		-9.6	9823	7377	-5.47	59.33
	864.8					
44 27.3		+12.7	1038	8592	+7.23	59.33
	852.1					
58 39.4		-17.7	2480	0034	-10.08	59.72
13 9.2	869.8					

334

58 44.6						
	857.8					
13 2.4		-4.2	6232	3784	-2.39	59.61
	862.0					
27 24.4		+5.2	7160	4713	+2.96	59.76
	856.8					
41 41.2		-6.2	7924	5477	-3.53	59.47
	863.0					
56 4.2		+8.0	9031	6585	+4.55	59.55
	855.0					
10 19.2		-10.1	0043	7593	-5.75	59.35
24 44.3	865.1					

340 2446

1 29.2						
	852.6					
15 41.8		-15.4	1875	9429	-8.77	859.23
	868.0					
30 9.8		+20.5	3118	0672	+11.67	59.17
	847.5					
44 17.3		-27.7	4425	1979	-15.77	59.43
	875.2					
58 52.5		+35.4	5490	3044	+20.15	59.95
12 52.3	839.8					

336

58 47.3						
	851.7					
12 59.0		-18.1	2577	0129	-10.30	59.50
	869.8					
27 28.8		+23.3	3674	1227	+13.26	59.76
	846.5					
41 35.3		+30.2	4800	2353	-17.19	59.51
	876.7					
56 12.0		+39.4	5955	3509	+22.43	59.73
	837.3					
10 9.3		+51.4	7110	4660	-29.24	59.46
24 58.0	888.7					

86.95	+0.69	87.64								
521.1	-0.89	520.21	432.57	63606						
192.65	+0.07	192.72	327.49	51520	87914	0.7571	24480	39126	246.18	333.82
440.8	-0.29	440.51	247.79	39408	87888	7566	24467	27053	186.43	333.78
252.95	+0.01	252.96	187.55	27312	87904	7569	24474	14934	141.04	333.76
394.9	-0.09	394.81	141.85	15183	87871	7563	24460	02852	106.79	333.72
287.3	0.00	287.30	107.51	03145	87962	7579	24500	90683	80.69	333.65
368.8	-0.04	368.76	81.46	91094	87949	7577	24494	78651	61.17	333.64

Februar 13. délelőtt

Homérséklet +2·70 C

360 — 28m. 34·1
350 — 39·6
340 — 45·0
330 — 50·6∞
320 — 56·4—
310 — 29m. 1·9+
300 — 7·6

300 — 43m. 0·8
310 — 8·3+
320 — 15·8—
330 — 23·2∞
340 — 30·6
350 — 38·3
360 — 45·7

330 — 5·7m. 25·8∞
325— — 30·7∞
320 — 35·7—
315— — 40·5∪
310 — 45·5+

pukul 76·2

310 17 41·8+
315— 48·3∪
310 — 54·8—
325— 12m. 1·2∞
330 — 7·80

pukul 506·5

325— 26m. 6·8∞
322 — 11·7+
320 — 15·2—
318 — 18·6|
315— — 23·4∪

pukul 180·9

315— 40m. 22·5—∪
318 — 29·2|
320 — 33·6—
322 — 38·2+
325— — 45·0∞

pukul 426·4

328— 5·4m. 49·3+
320 — 55·3—
328 — 5·1m. 1·2|

pukul 240·5—

318 12h. 9m. 4·3|
320 — 12·2—
322 — 20·2+

322 12h. 51m. 56·7
320 57m. 15·0
318 33·5—

pukul 294·2

318 — 2·0
320 — 24·8
322 — 50·0

Korrekció: +2·85

316	859.7	320 859.6 330 859.7
"	859.6	" 859.6 " 859.6
315	859.6	" 859.7 325 859.8
	859.6	" 859.5 " 859.6
318	859.8	" 859.8 322 859.9
	859.6	" 859.6 " 859.6

IT

	320.9
	320.9
	320.6

	0.7.5.7
	0.7.5.4
	7.5.7

Q

	460.3
	325.6
	24 57.5
	185.9

1891. február 13. eljött.

$9^h\ 27^m$ temp = +2°.7

210	9	30	33.3	5.6	
230			38.9	5.1	
250			44.0	5.2	
270			49.2	5.8	
290			55.0		
290		49	16.7	6.5	
270			23.2	6.8	
250			30.0	6.3	
230			36.3	6.7	
210			43.0		
210		51	52.3	8.0	
230		52	0.3	8.2	
250			8.5	8.0	
270			16.5	8.5	
290			25.0		
270	10	2	44.3	5.1	
260			49.4	4.8	
250			54.2		
250		13	31.1	6.1	
260			37.2	5.9	
270			43.1		
557.1		18	45		
270		24	3.2	7.5	
260			10.7	7.3	
250			18.0		
8.7		29	30		
250		34	52.4	9.6	
260		35	2.0	9.1	
270			11.1		
453.1		40	10		
256		45	35.3	2.4	
254			37.7	2.3	
252			40.0		
92.4		50	50		
252		56	16.0		
254			18.8		
256			21.3		
385.1	11	1	30		

Objektiv = 225

256	11^h	6	56.5
254		7	0.0
252			3.3
147.35		12	15
252		17	3.6
254			4.0
256			4.5
340.25		22	55

$11^h\ 25^m$ temp +2°.75

Almucska 254 cm

$t_0 = 10h.\ 2,m\ 52,3s. =$ ~~$10h.\ 4m.\ 7,7s.$~~

$t_0' = 10h.\ 13m\ 33,51 \doteq a = 1h.\ 4m\ 7,70.$

$b = 1h.\ 4m\ 7,5$

$t_6 = 11h.\ 7m\ 0s. =$

$t_6' = \text{“}\ 17m\ 41,0 =$

$a = 3847,7.$

$b = 3847,5$

$b - a = -0,2$

$\frac{a+b\delta}{b(1+\delta)} = 641,278$

$\lambda = 1,8 \quad \text{corr} = 0,205$

$T_0 = 641,073.$

1891. febr. 13. elfd.

2582

250

30	44.0					
41	30.0	646.0				
52	8.5	638.5	+7.5	8751	6169	+4.14
2	54.2	645.7	+7.2	8573	5991	-3.97
13	31.1	636.9	+8.8	9445	6863	+4.86
24	18.0	646.9	+10.0	0000	7418	-5.52
34	52.4	634.4	+12.5	0965	8387	+6.90

252

24	16.5					
34	54.3	637.8				
45	40.0	645.7	-7.9	8976	6394	-4.36
56	16.0	636.0	+9.7	9868	7286	+5.35
7	3.3	647.3	-11.3	0531	7948	-6.24
17	36.6	633.3	+14.0	1461	8878	+7.72

2582

260

30	46.6					
41	26.6	640.0				
52	12.5	645.9	-5.9	7709	5127	-3.26
2	49.4	636.9	+9.0	9542	6960	+4.97
13	37.2	647.8	-10.9	0374	7792	-6.01
24	10.7	633.5	+14.3	1553	8971	+7.89
35	2.0	651.3	-17.8	2504	9922	-9.82

254

24	15.1	641.1				
34	56.2	641.5	-0.4	6021	3439	-0.22
35	37.7	641.1	+0.4			+0.22
50	18.8	641.2	-0.1	0000	7417	-0.90
7	0.0	641.0	+0.2	3010	0427	+0.11
17	41.0					

2582

270

30	49.2					
41	23.2	634.0				
52	16.5	653.3	-19.3	2856	0274	-10.65
2	44.3	627.8	+25.5	4065	1483	+14.07
13	43.1	658.8	-31.0	4914	2332	-17.11
24	3.2	620.1	+38.7	5877	3295	+21.35
35	11.1	667.9	-47.8	6794	4212	-26.38

256

24	13.6					
34	58.2	644.6				
45	35.3	637.1	+7.5	8751	6179	+4.15
56	21.3	646.0	-8.9	9494	6912	-4.91
6	58.5	635.2	+10.8	0334	7751	+5.96
17	45.0	648.5	-13.3	1239	8656	-7.34

557.1	- 3.00	554.10	544.56	73605					
8.7	+ 0.84	9.54		64599	90994	0.8127	25833	47772	300.41	258.69
453.1	- 0.98	452.12	442.58	55572	90973	8123	25823	38776	244.20	53.74
92.4	+ 0.20	92.60	359.52	46562	90990	8126	25831	29741	198.34	53.78
385.1	- 0.34	384.76	292.16	37543	90981	8125	25828	20730	161.19	53.79
147.35	+ 0.04	147.39	237.37	28495	90952	8119	25814	11729	131.01	53.75
340.25	- 0.13	340.12	192.73							

1891 február 14. délelőtt

Korrekció +2·60

fordul 113·2

230 11h 24m 5·3
235 — 13·0
240 — 20·7
245 — 28·6
250 — 36·4
255 — 44·3 —
260 — 52·3 0
265 — 2 5m 0·1 1
270 — 8·1

375·0

265 — 35m 15·7 1
260 — 25·5 —0
258 — 29·3 +
255 — 35·1 —

fordul 162·6

255 46m 4·2 —
258 11·4 +
260 16·00
265 28·21

fordul 335·0

260 — 56m 25·4 0
258 — 51·2 +
255 — 59·9 —

fordul 195·0

255 7m 22·7 —
257 — 29·9 ∞
258 — 33·5 —+
259 — 37·4 V
260 — 41·2 0

fordul 308·8

260 18m 4·0 0
259 — 8·5 V
258 — 13·0 +
257 — 17·1 ∞
255 — 26·2 —

fordul 216·3

257 — 28m 50·3 ∞
258 — 56·0 +
259 — 29m 1·6 V

fordul 291·4

259 39m 27·6 V
258 — 34·4 +
257 — 41·0 ∞

fordul 230·4

257 50m 10·2 ∞
258 — 19·0 +
259 — 26·9 V

fordul 280·0

259 1h 0m 55·0 V
258 55·5 —+
257 1m 6·2 ∞

fordul 239·8

Korrekció +2·78

250	6v1·0	
255	6v1·1	
259	6v1·0	
	6v1·2	
	6v1·0	
	6v1·0	
259	6v0·9	
	6v1·0	
	6v1·1	
	6v0·9	
	6v1·0	
	6v0·8	
	6v1·2	
	6v1·0	

II

Zlomy:

118·0
8 11
8 13
8 12
8 12
8 13
8 13
8 12
8 12
8 12
9 5·7 1·8
9 5·7 1·8
9 5·7 1·8
9 5·7 2·8
9 5·7 2·8
9 5·7 2·8
9 5·7 2·8

9

Zlomy ostatní:

9 6 1·8
9 12·4
17 2·4
14 0·0
11 3·8
9 2·5
7 5·1
6 1·0
4 9·6
4 0·2

1891. február 14. eljel.

Hőmérséklet 9^h 33^m = +2°.6

270	9^h	30^m	43°.3	8.7
290			52.0	8.0
310		31	0.0	8.4
330			8.4	8.6
350			17.0	8.8
370			25.2	
370		45	6.1	11.0
350			17.1	11.1
330			28.2	11.1
310			39.3	11.1
290			50.4	11.6
270		46	2.0	
310		59	32.0	14.2
330			46.2	14.8
350	10	0	1.0	
340		13	57.3	9.9
330		14	7.2	9.8
320			17.0	
84.2		21	0	
320		28	~~59.2~~	
330			12.0	12.7
340			24.7	13.1
			37.8	
518.9		35	20	
340		42	30.0	16.9
330			46.9	16.8
320		43	3.7	
189.95		49	40	
329		57	0.5	
331			5.0	
333			9.3	
438.1	11	4	0	
333		11	18.3	
331			24.2	
329			30.2	
250.1		18	15	

Objektiv 290

329	11	25	36.0
331			43.9
333			51.5
392.25		32	40
333		39	53.0
331		40	3.4
329			13.5
284.85		47	0
329		54	9.0
331			22.5
333			36.7
366.1	12	1	20

temp = +2°.68

1891. február 14. é/el.

320 2448

34 4.2	869.5	24.1					
45 33.7	845.4	+3.9	3820	1372	+13.71		859,11
59 39.1	877.9	-32.5	5119	2671	-18.50		59,40
14 17.0	835.0	+42.9	6325	3877	+24.41		59,41
28 12.0	891.7	-56.7	7536	5088	-32.27		59.43
43 3.7							

329

28 23.4							
42 48.6	865.2						
57 0.5	851.9	+13.3	1239	8791	+7.57		59.47
11 30.2	869.7	-17.8	2504	0059	-10.14		59.56
25 36.0	845.8	+23.9	3784	6335	+13.60		59.40
40 13.5	877.5	-31.7			-18.05		59.45
54 9.0	835.5	+42.0	6272	3788	+23.93		59.43

330 2448

31 8.4							
45 28.2	859.8						
59 46.2	858.0	+1.8	2553	0105	+1.03		859.03
14 7.2	861.0	-3.0	4771	2323	-1.71		59.29
28 24.7	857.5	+3.5	5441	2993	+1.99		59.49
42 46.9	862.2	-4.7	6721	4273	-2.68		59.52

331

28 26.0							
42 45.2	859.2						
57 5.0	859.8	-0.6	7782	5334	-0.34		59.46
11 24.2	859.2	+0.6			+0.34		59.54
25 43.9	859.7	-0.5	6490	9541	-0.28		59.42
40 3.4	859.5	+0.2			-0.11		59.39
54 22.5	859.8	+0.4			+0.23		59.33

340 2448

31 12.7	850.0						
45 22.7	870.9	-20.9	3201	0753	-11.89		859.
59 53.6	843.7	+27.2	4346	1898	+15.48		59.
13 57.3	880.5	-36.8	5058	3210	-20.94		59.56
28 37.8	832.2	+48.3	6839	4391	+27.49		59.67
42 30.0							

333

28 28.6	853.2						
42 41.8	867.5	-14.3	1553	9105	-8.14		59.36
57 9.3	848.0	+18.5	2672	0227	+10.54		59.54
11 18.3	873.2	-24.2	3838	1389	-13.77		59.43
25 51.5	841.5	+31.7	5071	2564	+18.05		59.55
39 53.0	883.7	-42.2	6253	3809	-24.04		59.66
54 36.7							

84.2 + 0.73	84.93								
518.9 - 1.00	517.90	432.97	63646	87924	07572	24482	39164	246.40	331.33
189.95+0.08	190.03	327.87	51570	87840	7558	24447	27123	186.74	331.16
438.1 -0.27	437.83	247.80	39410	87941	7575	24483	14921	141.00	331.03
250.1 +0.01	250.11	187.72	27351	87893	7567	24470	02881	106.86	330.97
392.25-0.09	392.16	142.05	15244	87820	7554	24438	90806	80.92	331.03
284.85 0	284.85	107.31	03064	87897	7568	24473	78591	61.08	331.05
366.1 -.04	366.06	81.21	90961						

1891: Februar 15: délelőtt

Műszercsekély: +2·3

36 – 24m · 5·6
36 — 11·4
32 — 17·3
30 — 23·2

---

29 ~~38m~~ 42·3 0
30 — 46·2 –
31 — 49·5 –
32 — 53·8
33 — 57·5 –
34 – 39m · 1·3
35 — 5·5 –
36 — 9·5 –

---

31 – 52m · 54·4
30 — 59·6 –
29 – 53m · 4·7 0
28 — 9·8

---

29 11h · 42m · 19·3 0
29 — 22·5 ∞
30 — 26·0 –

---

30 – 21m · 35·6 –
29 — 40·1 ∞
29 — 44·5 0

Javított 26·1

29 35m · 55·8 0
29 36m · 1·4 ∞
30 7·5 –

Javított 49·2

30 50m · 10·3 –
29 — 18·2 ∞
29 — 21·1 +
29 — 25·9 0

Javított 14·0

29 12h · 4m · 30·9 0
29 — 37·2 +
29 — 41·2 ∞
30 — 51·4 —

Javított 10·2

29 18m · 56·2 ∞
29 59·0 V
29 19m · 1·5 +
29 9·8 0

Javított 06·6

29 33m · 3·2 0
29 — 13·6 +
29 — 17·7 V
29 — 21·4 ∞

Javított 60·8

29 47m · 34·0 ∞
29 38·4 V
29 43·4 +

Javított 44·0

29 1h · 1m · 49·6 +
29 — 55·8 V
29 — 2m · 2·0 ∞

Javított 32·2

Uránusz +2·60

Elongation

471.1
356.2
269.2
203.6
154.2
116.8
88.2

d

0.756
756
756
757
757
755

Eyepiece

294.3
294.4
294.3
294.3
294.4
294.2

I

	300	858.3			
	"	859.0	290	859.0	
	"	859.2	"	859.2	
295 859.3	"	859.2	"	859.2	
" 859.4	"	859.4	"	859.4	
" 859.3	"	859.3	"	859.3	
" 859.6	293	859.5	"	859.6	
" 859.4	"	859.0	"	859.3	
" 859.8	"	859.7	294	859.5	
" 859.2	"	859.6	"	859.3	

189
9
290
270
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210
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250
260
474
260
250
240
78.
240
250
260
799
257
255
253
138

1891. február 15. éjjel

9^h 36~		temper.	+ 2°.45	
290	9^h	36~	12?.0	
270			18.0	6.0
250			24.0	6.0
230			30.0	6.0
210			36.0	6.0
210		46	47.4	
230			55.0	7.6
250		47	2.0	7.0
270			9.4	7.4
290			17.2	7.8
290		57	31.0	
270			40.0	9.0
250			49.0	9.0
230			58.0	9.0
210		58	7.2	9.2
240	10^h	8	19.3	
250			25.0	5.7
260			30.4	5.4
260		19	6.7	
250			13.3	6.6
240			20.0	6.7
240		29	27.8	
250			36.2	8.4
260			44.4	8.2
474.1		35	5	
260		40	27.3	
250			37.9	10.6
240			48.2	10.3
780		45	50	
240		50	53.5	
250		57	6.1	12.6
260			19.0	12.9
799.96		56	25	
257	11	1	52.0	
255			55.0	
253			58.2	
138.3		7	10	

objektiv 220

253	11	12	34.0
255			34.5
257			38.7
350.2		17	50
257		23	12.7
255			17.3
253			22.4
178.1		28	30
253		33	50.6
255			56.4
257		34	2.0
318.0		39	10
257		44	22.7
255			30.0
253			47.0
204.3		49	50
253		55	9.2
255			18.1
257			26.9
296.85	12	0	20

12^h 0~ temper. + 2°.60

1891, Febr. 1st effect.

2582

240

36	27.0						
46	58.5	631.5					
57	53.5	655.0	- 23.5	3711	1129	-12.97	642.03
8	19.3	625.8	+29.2	4654	2072	+16.11	41.91
19	20.0	660.7	-34.9	5428	2846	-19.26	41.44
29	57.8	617.8	+42.9	6225	3643	+23.68	41.44
40	48.2	670.4	-52.6	7210	4628	-29.03	41.37
50	53.5	605.3	+65.1	8136	5554	+35.93	41.23

253

40	34.7						
51	10.0	635.3					
1	58.2	648.2	-12.9	406	8519	-7.11	41.09
12	31.0	632.8	+15.4	1875	9291	+8.49	41.29
23	22.4	651.4	-18.6	2695	0117	-10.27	41.13
33	53.6	628.2	+23.2	3655	1070	+12.79	40.99
44	47.0	656.4	-28.2	4502	1917	-15.55	40.85
55	9.2	622.2	+34.2	5340	2757	+18.87	41.07

2582

250

36	24.0						
47	2.0	638.0					
57	49.0	647.0	-9.0	9542	6960	-4.97	642.03
8	25.0	636.0	+11.0	0414	7832	+6.07	42.07
19	13.3	648.3	-12.3	0849	8317	-6.79	41.51
29	46.2	632.9	+15.4	1875	9293	+8.50	41.40
40	37.9	651.7	-18.8	2742	0160	-10.38	41.32
51	6.1	628.2	+23.5	1711	1129	+12.97	41.17

255

40	32.6						
51	12.5	639.9	-2.6	4150	1563	-1.43	41.07
1	55.0	642.5	+3.0	4711	2187	+1.99	41.16
12	34.5	639.5	-3.3	5185	2607	-1.82	40.98
23	17.3	642.8	+4.0	1209	3436	+2.21	41.01
33	56.1	638.8	-5.1	7076	5284	-2.81	41.09
44	40.0	643.9	+5.8	7624	5051	+3.20	41.20
55	18.1	638.1					

2582

260

36	21.0						
47	5.7	644.7					
57	44.5	638.8	+5.9	7709	5127	+3.26	642.06
8	30.4	645.9	-7.1	8573	5931	-3.92	41.98
19	6.7	636.3	+9.6	9823	7241	+5.30	41.60
29	54.4	647.7	-11.4	0505	7987	-6.29	41.41
40	27.3	632.9	+14.8	1703	9121	+8.17	41.07
51	19.0	651.7	-18.8	2742	0160	-10.38	41.32

257

40	30.5						
51	15.1	644.6	+7.7	8865	6278	+4.24	41.14
1	52.0	636.9	-9.8	9912	7328	-5.41	41.29
12	38.7	646.7	+12.7	1038	8466	+7.02	41.02
23	12.7	634.0	-15.3	1847	9262	-8.44	40.86
34	2.0	649.3	+18.6	2695	0110	+10.26	40.96
44	32.7	630.7	-23.5	3711	1128	-12.97	41.23
55	26.5	654.2					

474.1	- 1.35	472.75	394.511	59 606					
78.0	+ 0.24	78.24	321.24	50 683	91077	8143	25871	33735	247.45	255.30
399.96	- 0.48	399.48	261.19	41 687	91004	8129	25838	24845	177.20	255.44
138.3	+ 0.04	138.34	211.68	32 568	90881	8106	25782	85905	144.23	255.25
350.2	- 0.18	350.02	171.91	23 531	91023	8133	25847	06721	116.77	255.08
178.1	+ 0.01	178.11	139.81	14 554	91023	8133	25847	97684	94.81	255.21
348.0	- 0.08	347.92	113.62	05 546	90992	8127	25833	88721	77.13	255.24
204.3	0	204.30	92.51	96 619	91073	8142	25865	79677	62.63	255.29
296.85	-.04	296.81								

1891. február 16. délután. Objektiv 220

0^h 30m temper. +2°.45

290	0^h	36	30.0	
270			37.1	7.1
250			45.0	7.9
230			52.2	7.2
210		37	0.0	7.8
210		47	4.9	
230			14.0	9.1
250			23.1	9.1
270			32.2	9.1
290			41.2	9.0
270		57	58.1	11.2
250		58	9.3	11.3
230			20.6	
210	1	8	38.0	7.1
250			45.1	6.9
260			52.0	
520.0		14	0	
260		19	24.8	8.5
250			33.3	8.7
240			42.0	
390.5		24	40	
240		29	55.3	10.7
250		30	6.0	10.7
260			16.7	
429.05		35	25	
260		40	44.2	13.6
250		41	57.8	13.2
240			11.0	
112.6		46	5	
252		51	29.2	
254			32.5	
256			35.3	
369.6		56	45	
256	2^h	2	11.0	
254			14.7	
252			18.7	
160.9		7	30	
252		12	49.5	
254			54.2	
256			59.0	
320.2		18	10	

256	2^h	23	31.5
254			37.3
252			43.3
192.8		28	50
252		34	8.2
254			15.9
256			23.0
304.4		39	30
256		44	51.0
254		45	0.2
252			9.1
213.75		50	5
252		55	25.3
254			36.9
256			47.9
287.4	3^h	0^m	50

27

3^h 0^m temperatura = +2°.68

Jelvirus 16 dilutans

temperatura: +2.60

2805h. 14m. 46.7

290 ——— 50.5−

300 ——— 54.5−

310 ——— 58.3

320 ——— 15m. 2.3

330 ——— 6.3+

340 ——— 10.2−

350 ——— 14.2+

360 ——— 18.2

360 − 29m. 15.6

350 ——— 20.5+

340 ——— 26.0−

330 ——— 31.3+

320 ——— 36.3

330 − 43m. 42.7+

335 ——— 46.10

340 ——— 49.5=

350 ——— 56.5+

320 57½ 55.2+

340 58m. 3.2 −

335 — 7.7o

330 — 12.3+

fordul 75.1

330 12m. 17.9+

335 — 24.1o

340 ——— 30.2−

320 42.3

fordulópont nem ismételhető hígulási nagyságrend miatt.

340 26m 39.5−

337 ——— 44.5−v

335 ——— 47.7o

330 ——— 55.8+

fordul 187.0

330 − 40m. 50.9+

335 − 41m. 1.4 o

337 ——— 5.8 v

340 ——— 12.0 −

fordul 450.4

340 − 55m. 14.7 −

337 ——— 23.1 v

335 ——— 28.7 o

fordulo 51.0

335 9m. 37.4 o

336 41.5−∞

337 45.3 v

338 48.3+

340 56.2−

fordul 401.9

340 23. 46.6 −

338 56.3−+

337 24m. 1.7 v

336 6.4∞

335 11.0 o

fordul 287.7

336 38m. 17.7 ∞

337 24.3 v

338 31.0+

fordul 374.0

Hőmérséklet: 2.60

45
9

330	859.1	340
"	859.2	"
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"	715.4	"
"	715.3	"
"	715.2	"
"	715.1	340
"	714.9

1891. február 16. délután.

2584

240								
36	48.6	630.0						
47	18.6	656.4	− 26.4	4216	1632	−14.56		64.84
58	15.0	623.0	+33.4	5237	2653	+18.42		41.42
8	38.0	664.0	−41.0	6128	3544	−22.62		41.38
19	42.0	613.3	+50.7	7050	4466	+27.96		41.26
29	55.3	675.7	−62.4	7952	5368	−34.42		41.28
41	11.0							
252								
30	8.1	647.0	+12.9	1106	8525	+7.12		41.22
40	55.1	634.1						
51	29.2	649.5	−15.4	1875	9291	−8.49		41.01
2	18.7	630.8	+18.7	2718	0136	+10.32		41.12
12	46.5	653.8	−23.0	3617	1036	−12.69		41.11
23	43.3	624.9	+28.9	4609	2028	+15.95		40.85
34	8.2	660.9	−36.0	5563	2980	−19.86		41.04
45	9.1	616.2	+44.7	6503	3921	+24.67		40.87
55	25.3							

2584

250								
36	45.0	638.1						
47	23.1	646.2	− 8.1	9085	6501	−4.47		641.73
58	9.3	635.8	+10.4	0170	7586	+5.74		41.54
8	45.1	648.2	−12.4	0934	8350	−6.84		41.36
19	33.3	632.7	+15.5	1903	9319	+8.55		41.25
30	6.0	651.8	−18.9	2765	0181	−10.43		41.37
40	57.8							
254								
30	10.3	642.1						
40	52.4	640.1	+2.0	3020	0429	+1.10		41.20
51	32.5	642.2	−2.1	3222	0638	−1.16		41.04
2	14.7	639.5	+2.7	4314	1732	+1.49		40.99
12	54.2	643.1	−3.6	5563	2982	−1.99		41.11
23	37.3	638.6	+4.5	6532	3951	+2.48		41.08
34	15.9	644.3	−5.7	7554	4976	−3.15		41.15
45	0.2	636.7	+7.6	8808	6226	+4.19		40.89
55	36.9							

2584

260								
36	41.1	646.6						
47	27.7	636.0	+10.6	0253	7669	+5.85		64.85
58	3.7	648.3	−12.3	0899	8315	−6.78		41.52
8	52.0	632.8	+15.5	1903	9319	+8.55		41.35
19	24.8	651.9	−19.1	2810	0226	−10.54		41.36
30	16.7	627.5	+24.4	3874	1290	+13.46		40.96
40	44.2							
256								
30	12.4	637.2	−8.5	9294	6713	−4.69		41.01
40	49.6	645.7						
51	35.3	635.7	+10.0	0000	7416	+5.52		41.22
2	11.0	648.0	−12.3	0899	8317	−6.79		41.21
12	59.0	632.5	+15.5	1903	9322	+8.55		41.05
23	31.5	651.5	−19.0	2788	0207	−10.49		41.01
34	23.0	628.0	+23.5	3711	1128	+12.97		40.97
44	51.0	656.9	−28.9	4609	2027	−15.95		40.95
55	47.9							

520.0	− 2.22	517.78	478.24	67 965					
39.05	+ 0.49	59.54	388.75	58 967	91002	08129	25838	42127	263.80	253.98
129.05	− 0.76	428.29	315.59	49 913	90946	8118	25811	33156	214.56	254.10
112.6	+ 0.10	112.70	256.62	40 929	91016	8131	25842	24071	174.06	254.23
369.6	− 0.28	369.32	208.40	31 890	90961	8121	25818	15111	141.62	254.32
160.9	+ 0.02	160.92	169.17	22 832	90942	8117	25809	06081	115.03	254.29
330.2	− 0.11	330.09	137.29	13 764	90932	8116	25806	97026	93.38	254.30
192.8	+ 00	192.80	111.55	04 746	90982	8125	25828	87936	75.75	254.32
304.4	− 05	304.35	90.60	95 713	90964	8122	25823	78923	61.55	254.35
213.75	00	213.75	73.62	86 700	90987	8126	25830	69883	49.98	254.37
287.4	− .03	287.37								

Kbaus 1f. alterbain.

Kbauersinkel + 7·54

45·4

360 — 1h. 55m. 54·6
355 —— 59·3
350 —— 635-
345 —— 68·1
340 —— 5·6m. 12·4
335 —— 17·1
330 —— 21·4 /
320 —— 30·6 o
310 —— 39·6 —
300 —— 48·8

fordul 53·8

310 10m. 43·2 —
315 49·2 +
320 55·10
325 11m. 1·3 *
330 7·2 /
340 19·3

fordul 518·0

330 24m. 32·6 /
320 25m. 8·3 o
318 11·3 v
315 16·1 +
310 24·1 —

fordul 167·0

310 39m. 15·0 —
315 —— 25·4 +
318 —— 31·6 v
320 —— 35·6 o

fordul 432·6

320 53m. 44·6 o
319 —— 47·3 —
318 —— 50·3 v
317 —— 53·0 ∞
315 —— 58·5 +

fordul 231·3

315 — 7m. 59·5 +
317 — 8m. 6·8 ∞
318 —— 10·4 v
319 —— 14·2 —
320 —— 18·00

fordul 383·7

319 22m. 24·6 —
318 —— 29·5 v
317 —— 34·3 ∞

fordul 268·4

317 26m. 43·1 ∞
318 —— 49·3 v
319 —— (55·2) 56·2 —

fordul 355·5

319 51m. 40·0 —
318 18·0 v
317 16·5 — ∞

fordul 289·7

Kőmennyi: +2·70 C

Ebony alive

464·2
251·0
265·6
201·3
152·4
115·3,
87·1
65·8

I

310	859·7	320	859·6	3	
〃	859·4	〃	859·3	315	859·3
318	859·6	〃	859·4	〃	859·5
〃	859·3	〃	859·4	〃	859·3
〃	859·6	319	859·8	317	859·7
〃	859·4	〃	859·5	〃	859·4
〃	859·3	〃	859·6	〃	859·4

9

0·756
757
757
757
757
755
756

Ebony

318·2
318·2
318·2
318·0
318·0
318·0
318·0

1894. febra án 17. éjjel.

objektiv = 225

9h 28m hőmérs = +2°55

210	9h	34	8.0	
230			15.8	7.8
250			24.0	8.2
270			32.0	8.0
290			40.0	8.0
290		45	47.4	
270			57.4	10.0
250		45	7.3	9.9
230			17.2	9.9
210			27.3	10.1
230		55	34.4	
250			47.0	12.6
270			59.2	12.2
260	10	6	23.1	
250			30.4	7.3
240			38.2	7.8
5.75		11	40	
240		16	54.5	
250		17	9.0	9.5
260			18.1	9.1
451.3		22	25	
260		27	42.3	
250			53.8	11.5
240		28	5.0	11.2
89.8		33	5	
240		38	16.6	
250			30.2	13.6
260			44.0	13.8
383.2		43	45	
260		48	54.7	
250		49	16.9	17.2
240			34.0	17.1
144.9		54	25	
250		59	51.3	
252			55.5	
254	11	0	0.0	
338.35		5	10	
254		10	30.0	
252			35.0	
250			40.2	
181.1		15	45	

250	11h	21	11.4
252			18.0
254			24.1
308.95		26	30
254		31	48.8
252			56.9
250		32	4.6
205.1		37	10

11h 35m temperatura +2°.70

1891. febr. 17. eljárás

2582

240						
34 19.8	652.4					
45 12.3	628.4	+24.0	3802	1220	+13.24	641.64
55 40.7	657.5	−29.1	4639	2057	−16.06	41.44
6 38.2	621.3	+36.8	5587	3005	+19.97	41.27
16 59.5	665.5	−44.2	6454	3872	−24.38	41.12
28 5.0	611.6	+53.9	7316	4734	+29.74	41.34
38 16.6	677.4	−65.8	8182	5599	−36.30	41.10
49 34.0						
250						
38 30.2	646.7					
49 16.9	634.4	+12.3	0859	8316	+6.79	41.19
59 57.3	648.9	−14.5	1614	9031	−8.00	40.90
10 40.2	631.2	+17.7	2480	9896	+9.76	40.96
21 11.4	653.2	−22.0	3424	0839	−12.13	41.07
32 4.6						

2582

250						
34 24.0	643.3					
45 7.3	639.7	+3.6	5563	2981	+1.99	641.69
55 47.0	643.4	−3.7	5682	3100	−2.04	41.36
6 30.4	638.6	+4.8	6812	4230	+2.65	41.25
17 9.0	644.8	−6.2	7924	5342	−3.42	41.38
27 53.8	636.4	+8.4	9243	6661	+4.64	41.04
38 30.2	646.7	−10.3	0128	7545	−5.68	41.02
49 16.9						
252						
38 33.0	640.5					
49 13.5	642.0	−1.5	1761	9178	−0.83	41.17
59 55.5	639.5	+2.5	3979	1396	+1.38	40.88
10 35.0	643.0	−3.5	5441	2857	−1.93	41.07
21 18.0	638.5	+4.1	6128	3543	+2.26	41.16
31 56.9						

2582

260						
34 28.0	634.4					
45 2.4	650.7	−16.3	2122	9540	−9.00	641.70
55 53.1	630.0	+20.7	3160	0578	+11.42	41.42
6 23.1	655.0	−25.0	3979	1397	−13.79	41.21
17 18.1	624.2	+30.8	4886	2304	+17.00	41.20
27 42.3	661.7	−37.5	5740	3158	−20.68	41.02
38 44.0	615.7	+46.0	6628	4045	+25.38	41.08
48 59.7						
254						
38 35.5	634.5					
49 10.0	650.0	−15.5	1903	9320	−8.55	41.45
0 0.0	630.0	+20.0	3010	0427	+11.03	41.03
10 30.0	654.1	−24.1	3820	1236	−13.29	40.81
21 24.1	624.7	+29.4	4683	2098	+16.21	40.91
31 48.8						

5.75	+0.88	6.63								
451.3	−0.96	450.34	443.71	64710	90961.8121	25818	38892	244.86	251.49	
89.8	+0.20	90.00	360.34	55671	90996 8128	25835	29836	198.77	251.57	
383.2	−0.33	382.87	292.87	46667	90977 8124	25826	20871	161.56	251.56	
144.9	+0.04	144.94	237.93	37644	90977 8124	25826	11818	131.28	251.59	
338.35	−0.12	338.23	193.29	28021	91002 8129	25838	02783	106.62	251.56	
181.1	+01	181.11	157.12	19623	91027 8133	25847	93776	86.65	251.58	
308.95	−05	308.90	127.79	10650	90970 8123	25823	84827	70.51	251.61	
205.1	00	205.10	103.80	01620						

február 18. délelőtt

temperatura: + 2·60 C

115·8 fordul

Ž	30 – 27	27·9	
Ž	35 –	36·3	
Ž	40 —	44·7	
Ž	45 —	53·3 –	
Ž	50 Ht. 28	1·6	o
Ž	55 —	10·21	l₀
Ž	60 —	18·7	
Ž	65 —	27·3	
Ž	70 —	36·3	

fordul 358·3

255	— 38m.	31·5 –	l
252	—	37·7 +	
250	—	41·40	l₀
248	—	45·9	v
245	—	52·5 –	

fordul 161·5

245	— 49m.	16·9 –	
248	—	18·7	v
250	—	23·80	
252	—	28·9 +	
255	—	36·9	l

fordul 321·3

252	5 9m.	57·4 +	
250	12h. 0m.	3·70	
249		6·8	∞
248		10·1	v

fordul 191·6

248	— 10m.	38·3	v
249	—	42·1	∞
250	—	46·0	o
252	—	53·5 +	

fordul 297·0

250 — 21m. 25·3 o

249 — 30·0 ∞

248 — 35·8 v

fordul 211·2

248 — 31m 56·5 – v

l₀ 249 — 32m 2·5 – ∞

250 — 8·2 o

fordul 281·0

250 — 47m. 56·6 o

l₀ 249 — 53·8 ∞

248 — 43m. 1·4 v

fordul 224·4

248 53m. 12·2 v

249 21·5 – ∞

250 30·2 o

fordul 270·3

konvekció: + 2·72 C

245	640.4	750
248	641.1	"
"	640.0	"
"	640.9	249
"	640.9	"
"	640.7	"
"	640.7	"

I

750	641.0	755
"	641.3	752
"	641.0	
"	640.9	249
"	640.9	"
"	640.7	"
"	640.7	"

Ausgaben

245	640.4
248	641.1
"	640.0
"	640.9
"	640.9
"	640.7
"	640.7

Einnahmen

245	640.4
248	641.1
"	640.0
"	640.9
"	640.9
"	640.7
"	640.7

750	641.0
"	641.3
"	641.0
"	640.9
"	640.9
"	640.7
"	640.7

I

755	641.1
752	641.0
	640.9
249	640.9
"	641.0
"	640.9
"	640.7
"	640.7

Einnahmen

245	640.4
248	641.1
"	640.0
"	640.9
"	640.9
"	640.7
"	640.7

750	641.0
"	641.3
"	641.0
"	640.9
"	640.9
"	640.7
"	640.7

I

755	641.1
752	641.0
	640.9
249	640.9
"	641.0
"	640.9
"	640.7
"	640.7

Einnahmen

245	640.4
248	641.1
"	640.0
"	640.9
"	640.9
"	640.7
"	640.7

750	641.0
"	641.3
"	641.0
"	640.9
"	640.9
"	640.7
"	640.7

I

755	641.1
752	641.0
	640.9
249	640.9
"	641.0
"	640.9
"	640.7
"	640.7

Einnahmen

245	640.4
248	641.1
"	640.0
"	640.9
"	640.9
"	640.7
"	640.7

750	641.0
"	641.3
"	641.0
"	640.9
"	640.9
"	640.7
"	640.7

I

755	641.1
752	641.0
	640.9
249	640.9
"	641.0
"	640.9
"	640.7
"	640.7

1891. február 18. éjjel. objektiv = 291

Hőmérséklet $9^h\ 30^m$-kor = 2°60

280	9	33	36·0	
300			50·8	14·8
320		34	5·3	14·5
340			20·0	14·7
360			35·0	15·0
360		47	34·7	19·3
340			54·0	19·0
320		48	13·0	19·2
300			32·2	20·1
280			52·3	
66·9		55	15	
300	10	2	22·1	
320			35·0	12·9
320			47·6	12·6
500·8	?	9	30	bironyfalva
320		16	47·1	
310		17	4·2	17·1
300			21·0	16·8
172·3		23	50	
312		31	15·0	
314			19·3	
316			24·0	
420·4		38	10	
318 306		45	59·4	6·1
314 304		46	5·5	6·2
312 302			11·7	
232·81		52	30	
312		59	57·8	
314			59·7	
316	11	0	7·9	
374·85		6	50	
316		14	3·7	
314			14·1	
312			24·2	
267·1		21	5	
312		28	26·1	
314			40·0	
316			53·9	
348·75		35	30	

504

5560

$11^h\ 40^m$ Temperatura = +2°70

1891. febr. 18. eljul.

2445

300							
33 50.8	881.4						
48 32.2		+51.5	7118	4673	+29.33		856.23
2 22.1	880.9						
7 21.0		-69.0	8388	5943	-39.29		59.61
	898.9						
312							
2 37.5	863.3						
17 0.8		+9.1	9590	7145	+5.18		59.38
31 15.0	854.2						
45 40.9		-11.7	0682	8236	-6.66		59.24
59 51.8	865.9						
14 24.2		+15.0	1761	9315	+8.54		59.44
28 26.1	850.3						
		-21.5	3324	0875	-12.23		60.17
	872.4						
		+30.5	4843	2391	+17.34		59.24
	841.9						

2445

310							
33 59.0	863.6						
48 22.6		+11.2	0492	8047	+6.38		858.78
2 35.0	852.4						
17 4.2		-16.8	2253	9808	-4.57		859.63
	869.2						
314							
2 40.0	857.4						
16 57.4		-4.5	6532	4087	-2.56		59.34
31 19.3	861.9						
45 34.7		+6.5	8129	5683	+3.70		59.10
59 59.7	855.4						
14 14.1		-9.6	9823	7377	-5.47		59.53
28 40.0	865.0						
		+10.6	0253	7804	+6.03		60.43
	854.4						
		-11.5	0607	8155	-6.54		59.36
	865.9						

2445

320							
34 5.3	847.7						
48 13.0		-25.9	4133	1688	-14.75		858.85
2 47.6	873.6						
16 47.1		+34.1	5328	2883	+19.42		58.92
	839.5						
316							
2 42.6	851.3						
16 53.9		-18.8	2742	0297	-10.71		59.39
31 24.0	870.1						
45 28.6		+25.5	4065	1619	+14.52		59.12
0 7.9	844.6						
14 3.7		-34.7	5403	2957	-19.75		59.55
28 53.9	879.3						
		+43.5	6385	3936	+24.75		60.55
	835.8						
		-54.4	7356	4904	-30.93		59.07
	890.2						

66.9	+ 0.92	67.82								
500.8	- 0.77	500.03	432.21	63 569	87965	0.7580	24502	39067	245,85	313.67
172.3	+ 0.13	172.43	327.60	51 534	87874	7564	24462	27072	186.52	313.51
420.4	- 6.18	420.22	247.79	39 408	87869	7563	24460	14948	141.08	313.51
232.8	+ .02	232.82	187.40	27 277	87946	7576	24492	02785	106.62	313.60
374.85	- .05	374.80	141.98	15 223	87999	7586	24516	90707	80.74	313.56
267.1	00	267.10	107.70	03 222	87963	7580	24502	78720	61.26	313.54
348.75	- .02	348.73	81.63	91 185						

1891. február 19. délután.

$3^h\ 0^m$ Temperatura = +2°.60

290	3^h	5	–	
270			6.0	4.0
250			10.0	4.2
230			14.2	4.0
210			18.2	
210		19	37.0	4.9
230			41.9	5.1
250			47.0	5.1
270			52.1	5.2
290			57.3	
290		30	25.6	6.4
270			32.0	6.2
250			38.2	6.6
230			44.8	6.2
210			51.0	
230		41	3.0	7.7
250			10.7	7.6
270			18.3	
270		57	55.0	9.5
250		52	4.5	9.8
230			14.3	
250	4	2	34.7	
260			37.8	
270			43.1	
270		13	16.3	
260			23.5	
250			30.8	
8.4		18	30	
250		23	58.0	
260			59.0	
270		24	8.2	
470.2		29	15	
270		34	36.1	11.2
260			47.3	11.0
250			58.3	
95.65		39	50	
250		45	7.0	13.2
260			20.2	13.7
270			33.9	
399.7		50	35	

Objektiv 225

265	4^h	56	3.0
263			6.4
261			9.7
15 2.75	5	1	15
261		6	42.5
263			46.5
265			58.3
353.1		11	55
265		17	24.0
263			28.9
261			34.0
190.3		22	40
261		28	2.3
263			8.0
265			14.0
328.65		33	20
265		38	43.9
263			51.3
261			58.0
215.1		44	5

Temper + 2°.72

februari 19. delutött

temperatura: 2·48 C

360 10h - 27m · 10·5
350 —— 15·4
340 —— 70·4
330 —— 75·41
320 —— 30·40
310 —— 35·5—
300 —— 40·6
290 —— 45·5

300 — 41m · 41·2
310 —— 47·8—
320 —— 54·40
330 — 42m · 1·31
340 —— 7·9
350 —— 14·7
360 —— 21·5

330 55m · 58·71
320 56m · 7·40
315 11·7 v
310 16·3 —
43·9 fordul

310 10m · 23·6 —
315 —— 29·3 v
320 —— 35·20
330 —— 46·91

fordulspont verni ch lehető
kedvezőtlen nyugtejtés miatt.
320 24m — 43·90
317 48·4 +
315 51·4 v
310 59·3 —
fordul 160·5

310 38m · 57·0 —
315 39m · 7·4 v
317 11·2 +
320 17·30
fordul 434·2

320 5·3m · 18·60
317 —— 26·4 +
316 —— 29·21
315 —— 31·6 v
fordul 227·0 pont

315 12h · 7m · 44·6 v
316 —— 47·8 1
317 —— 51·8 +
320 8m · 2·30
fordul 383·9

317 22m · 3·9 +
316 8·5 —1
315 13·2 v
fordul 265·1

315 36m · 19·9 v
316 26·21
317 32·5 +
fordul 358·0

317 50m · 50·4 +
316 58·21
315 56·8 v
fordul 287·0

temperatura + 2·70

1891. febr. 19. délután.

2582

250							
9	10.0						
19	47.0	637.0	-14.2	1523	8941	-7.84	643.36
30	38.2	651.2	+18.7	2718	0136	+10.32	42.82
41	10.7	632.5	-21.3	3284	0702	-11.76	42.04
52	4.5	653.8	+26.6	4249	1667	+14.68	41.88
2	31.7	627.2	-31.9	5038	2456	-17.60	41.50
13	30.8	659.1	+39.9	6010	3428	+22.02	41.22
23	50.0	619.2	-49.1	6911	4329	-27.10	41.20
34	58.3	668.3	+59.6	7752	5171	+32.89	41.59
45	7.0	608.7					
261							
34	46.2						
45	21.6	635.4	-12.7	1038	8454	-7.00	41.10
56	9.7	648.1	+15.3	1847	9265	+8.44	41.24
6	42.5	632.8	-18.7	2718	0136	-10.32	41.18
17	34.0	651.5	+23.2	3655	1072	+12.80	41.10
28	2.3	628.3	-28.4	4533	1948	-15.66	41.04
38	54.0	656.7					

2582

260							
9	8.0						
19	49.6	641.6	-3.9	5911	-2.329	-2.15	643.35
30	35.1	645.5	+6.1	7853	5271	+3.37	42.77
41	14.5	639.4	-5.9	7709	5127	-3.26	42.04
51	59.8	645.3	+7.3	8633	6051	+4.03	42.03
2	37.8	638.0	-7.7	8865	6283	-4.25	41.45
13	23.5	645.7	+10.2	0086	7504	+5.63	41.13
23	56.0	635.5	-12.8	1072	8490	-7.06	41.24
34	47.3	648.3	+15.4	1875	9294	+8.50	41.40
45	20.2	632.9					
263							
34	43.9						
45	24.3	640.4	-1.7	2304	9720	-0.94	41.16
56	6.4	642.1	+2.0	3010	0428	+1.10	41.20
6	46.5	640.1	-2.3	3617	1035	-1.27	41.13
17	28.9	642.4	+3.3	5185	2602	+1.82	40.92
28	8.0	639.1	-4.2	6232	3647	-2.32	40.98
38	51.3	643.3					

2582

270							
9	6.0						
19	52.1	646.1	+6.2	7924	5342	+3.42	643.32
30	32.0	639.9	-6.4	8062	5480	-3.53	42.77
41	18.3	646.3	+9.6	9823	7241	+5.30	42.00
52	55.0	636.7	-11.4	0569	7987	-6.29	41.81
2	43.1	648.1	+14.9	1732	9150	+8.22	41.42
13	16.3	633.2	-18.7	2718	0136	-10.32	41.58
24	4.2	651.9	+24.0	3802	1220	+13.24	41.14
34	36.1	627.9	-29.9	4757	2176	-16.50	41.30
45	33.9	657.8					
265							
34	41.7						
45	27.1	645.4	+9.5	9777	7193	+5.24	41.14
56	3.0	635.9	-11.4	0569	7987	-6.29	41.01
6	50.5	647.3	+13.8	1399	8817	+7.62	41.12
17	29.0	633.5	-16.5	2175	9592	-9.10	40.90
28	14.0	650.0	+20.1	3032	0447	+11.09	40.99
38	43.9	629.9					

8.4	+0.85	9.25					
470.2	-1.22	468.98	459.73	66250			
95.65	+0.18	95.83	373.45	57188	90938	0,8117	25809
399.7	-0.44	399.26	303.93	48206	91018	8132	25845
152.75	+.03	152.78	246.48	39180	90974	8123	25823
353.1	-0.17	352.93	200.45	30136	90956	8120	25816
190.3	+0.01	190.31	162.62	21117	90981	8125	25828
322.65	-.07	322.58	132.27	12146	91029	8134	25850
215.1	0	215.10	107.48	03133	90987	8126	25830

40441	253,75	263.00	
31343	205,79	263.19	
22383	167.43	263.26	
13364	126.03	263.23	
64308	110.43	263.21	
95267	85.67	263.26	
86316	72.97	263.28	

1891. Februar 23. Aktenbl. II.

Tehr. 20 L

d. c.
256,25 m

$\frac{10}{\lambda}$ = 3,3

v
e
11h 10m 11,0
11h 20m 54,4 43,4
31m 35,1 -41,3
v 42 16,5 41,4
52 58,1 -41,6
12h 3m 39,4 41,3
14 20,3 -41,1
25 4,5 41,0
35 42,8 -41,2
46 23,6 40,8
57 5,0 -41,4
1h 7 45,7 40,7

$\frac{10}{\lambda}$ = 31,2

λ =

Tehr. 20 T

$\frac{10}{\lambda}$ = 7,2 325 m

9h 56 12,5
10h 10 32,6 20,1
24 50,7 18,1
29 11,3 20,6
57 29,8 18,5
11h 7 50,2 20,4
22 8,7 18,5
e 26 29,1 20,4
50 47,3 18,2

$\frac{10}{\lambda}$ = 66,5

Tehr. 21 T

$\frac{10}{\lambda}$ 7,5 328,5

v ~~41,3~~
e 11h 37 34,3
57 52,4 18,1
12h 6 12,9 20,5
20 30,9 18
34 52,1 21,2
49 9,5 17,4
e 11h 3 31,2 21,7

$\frac{10}{\lambda}$ = 21,2

Tehr. 21 L

$\frac{10}{\lambda}$ = 6,2 255,8

e 9h 47 38,7
58 20,9 42,2
10 9 1,5 40,6
v 19 42,5 41,0
30 23,8 41,3
v 41 41,7 40,9
57 46,0 41,0
11 2 26,9 40,9
13 8,2 41,0
v 23 48,7 40,5
e 34 50,1 41,4

$\frac{10}{\lambda}$ = 49,0

Tehr. 22 L

$\frac{10}{\lambda}$ = 4,3 256,9

v. 10h. 37m 35,0
48 16,3 41,3
58 58,2 41,9
11h 9 39,1 40,9
20 20,8 41,7
31 1,6 40,8
41 43,1 41,5
52 23,8 40,7
12h 3m 5,2 41,4
13 45,8 40,6
24 27,2 41,4
35 7,5 41,3
45 49,4 41,9
56 29,1 39,7

$\frac{10}{\lambda}$ = 61

Tehr. 22 T

$\frac{10}{\lambda}$ = 4 3358

v 9h 47 593
10h 2 19,3 20,0
v 16 38,2 18,9
30 58,3 20,1
v 45 17,4 19,1
59 37,1 19,7
v 11 14 56,2 19,1
28 15,1 18,5
v 42 35,6 20,4

$\frac{10}{\lambda}$ = 57,2

Tehr. 23 T

$\frac{10}{\lambda}$ = 5,5 333,4

11h 12m 21,3
26m 41,4 20,1
40 59,8 18,4
55 20,1 20,3
12 9 38,7 18,6
23 59,2 20,5
38 17,3 18,1
52 38,4 21,1
1h 6 56,3 17,9

$\frac{10}{\lambda}$ = 5,0

Tehr. 23 L

$\frac{10}{\lambda}$ = 7,7 268,9

v 9h 54m 6,8
4h 4m 47,4 40,6
15 29,0 41,6
26 9,9 40,9
36 57,2 41,3
47 31,9 40,7
58 12,4 40,5
5h 8 53,9 41,5
19 35,1 41,4
30 16,1 41,0
40 57,1 41,0
57 38,1 41,0

1891. február 23. délelőtt. objektiv = 300.

11^h 5^m Temperatura = +2°.41

370	11^h	12	1.3	11.1
350			12.4	
330			23.1	10.7
310			34.1	11.0
290			45.1	11.0
290		26	10.3	
310			24.7	14.4
330			39.0	14.3
350			53.2	14.2
370		27	8.0	14.8
350		40	44.1	
330		41	3.0	18.9
310			22.0	19.0
80.95		47	50	
320		55	3.4	
330			16.0	12.6
340			28.0	12.0
525.05	0^h	2	10	
340		9	27.9	
330			44.2	16.3
320		10	1.0	16.8
188.95		16	30	
331		23	54.0	
333			58.3	
335		24	3.0	
442.95		30	50	
335		38	12.9	
333			18.4	
331			24.3	
250.7		45	10	
331		52	29.2	
333			37.0	
335			44.3	
396.05		59	30	
335		6	48.2	
333			58.3	
331		7	8.7	

1^h 3^m Temperatura = +2°.61

1891: février 23. déclair

Température + 2·50

270 3h. 54m. 6·0 -
260 —— 13·3
250 —— 21·0
240 —— 28·8
230 —— 36·4
fodul 24·0

250 4h. 4m. 30·3
255 —— 39·8
260 —— 39·4
265 —— 44·2 +
270 —— 48·4 —
fodul 468·0

275 15m. 21·9 v
270 —— 27·2 —
265 —— 33·4 +
260 —— 39·3
fodul 107·7

260 26m. 37·6
265 —— 43 +
268 —— 8·2 1
270 —— 14·3 —
275 —— 18·6 v
fodul 400·0

275 36m. 40·8 v
270 49·3 —
268 52·2 1
265 57·9 +
fodul 162·6

265 47m. 23·7 +
268 30·2 1
269 32·2 o
270 34·2 —
fodul 355·2

270 58m. 10·4 —
269 —— 17·8 o
268 —— 15·2 1
265 —— 23·4 +
fodul 198·7

268 5h. 8m. 51·2 1
269 54·2 o
270 57·5 —
fodul 326·0

270 19m. 30·8 —
269 —— 34·2 o
268 —— 38·6 1
fodul 222·6

268 30m. 11·6 1
269 16·6 o
270 21·5 —
fodul 306·5

270 40m. 50·5 —
269 56·5 o
268 4m. 2·4 1
fodul 238·2

268 51m. 31·4 1
269 38·8 o
270 45·8 —
fodul 293·8

Température + 2·62° C

Elongatio

444·0
360·3
292·3
237·4
192·6
156·5
127·3
103·4
83·9
68·3
55·6

d

0·811
811
812
811
813
813
812
811
814
814

I

260	641·2	270	641·0		
"	641·3	"	641·2	265	641·0
275	641·2	"	641·1	"	641·1
268	6410	"	641·1	"	641·1
"	640·9	"	641·0	"	641·0
"	641·0	"	641·1	269	6410
"	641·1	"	640·9	"	6410
"	641·0	"	641·1	"	641·1
"	641·0	"	641·0	"	641·0
	641·0		6408	"	641·0

Egyenes

269·2
269·0
269·0
268·9
268·8
268·9
269·0
268·9
268·9
268·9

1891. február 23. délelőtt.

2444

330							
12 28.6							
26 31.9	853.3						
41 22.8	880.6	-37.3	5747	3273	-21.25		859.35
55 3.4	830.9	+49.7	6964	4520	+28.31		59.21
10 1.0	897.6	-66.7	8241	5797	-37.99		59.61
331							
55 17.2							
9 42.6	865.4	+14.0	1461	9012	+7.97		59.37
23 54.0	851.4						
38 24.3	870.3	+18.9	2765	0317	+10.76		59.54
52 29.2	844.9	+25.4	4048	1601	+14.46		59.36
7 8.7	879.5	-34.6	5391	2944	-19.70		59.80

2444

330							
12 23.1							
26 39.0	855.9	-8.1	9085	6641	-4.61		859.39
41 3.0	864.0						
55 16.0	853.0	+11.0	0414	7970	+6.27		59.27
9 44.2	868.2	-15.2	1818	9374	-8.66		59.54
333							
55 19.6							
9 38.3	859.7						
23 58.3	859.0	+0.7	8457	6002	+0.40		59.40
38 18.4	860.1	-1.1	0414	7966	-0.63		59.47
52 37.0	858.6	+1.5	1761	9314	+0.85		59.45
6 58.3	861.3	-2.5	3979	1532	-1.42		59.88

2444

340							
12 17.8							
26 46.1	868.3	+20.8	3181	0737	+11.85		859.35
40 53.6	847.5						
55 28.0	874.4	-26.9	4298	1854	-15.33		59.07
9 27.9	839.9	+34.5	5378	2934	+19.65		59.55
335							
55 22.0							
9 36.0	854.0						
24 3.0	867.0	-13.0	1159	8690	-7.40		59.60
38 12.9	849.9	+17.1	2330	9882	+9.73		59.63
52 44.3	871.4	-21.5	3524	0877	-12.24		59.16
6 48.2	843.9	+27.5	4393	1946	+15.65		59.55

80.95	+ 0.87	81.82								
525.05	- 0.95	524.10	442.28	64 570						
188.95	+ 0.11	189.06	335.04	52 509	87939	07575	24490	40080	251.65	333.47
442.95	- 0.25	442.70	253.64	40 422	87913	7571	24479	28030	190.68	333.42
250.7	+ 0.01	250.71	191.99	28 328	87906	7569	24474	15958	144.40	333.46
396.05	- 0.07	395.98	145.27	16 218	87890	7567	24470	03858	109.29	333.41

1891: február 22. délután

temperatura: + 2·42 C.

230 10h. 26m. 43.4
240 46.6
250 50.2 —
260 53.6 o
270 57.1 +

270 37m. 29.5 +
260 ——— 33.7 o
250 ——— 38.0 —
240 ——— 42.2
270 ——— 46.5

250 — 48m. 12.8 —
255 ——— 15.3 v
260 ——— 17.9 o
270 ——— 23.3 +

270 58m. 49.9 +
260 56.3 o
255 59.4 v
250 59m. 2.5 —

250 11h. 9m. 33.8 —
255 37.6 v
260 41.6 o

fordul 491.5

260 20m. 17.8 o
255 22.6 v
250 27.4 —

Elmulasztottam a fordulót

250 30m. 53.2 —
255 — 59.4 v
257 31m. 1.2 +
260 5.4 o

fordul 411.3

260 41m. 38.7 o
257 43.0 +
255 45.8 v
250 52.8 —

fordul 131.7

255 52m. 20.2 v
257 24.0 +
260 29.3 o

fordul 358.8

260 12h. 2m. 58.3 o
257 3m. 4.9 +
255 9.2 v

fordul 174.2

255 13m. 50.3 v
257 56.1 +
260 54.5 o

fordul 324.1

260 24m. 17.2 o
258 ——— 23.3 —
257 ——— 26.9 +
256 ——— 30.2 1
255 ——— 33.9 v

fordul 202.4

255 34m. 59.6 v
256 35m. 3.8 1
257 ——— 7.9 +
258 ——— 11.9 —
260 ——— 70.5 o

fordul 301.2

258 45m. 54.1 —
257 58.9 +
256 54.3 1

fordul 221.0

256 56m. 23.6 1
257 ——— 29.7 +
258 ——— 36.0 —

fordul 286.2

hőmérséklet: + 2·64

Elongation

279·6
227·1
184·6
149·9
121·7
98·8
80·2
65·2

d

0·812
813
812
812
812
813

Elongation

257·0
257·0
256·9
256·9
256·9
256·9
257·0

I

250	642·0	260	641·9	270	642·0
"	641·5	"	641·4	"	641·6
"	641·5	"	641·5	255	641·5
"	641·3	"	641·2	"	641·3
"	641·1	"	641·3	"	641·3
"	~	"	641·2	"	641·1
257	641·2	"	641·1	"	641·0
"	641·0	"	640·9	"	640·9
"	641·0	"	641·2	"	641·0
"	641·0	"	641·2	"	641·2
"	640·9	"	640·9	"	641·1
"	641·0	256	641·2	258	641·3
"	640·9	"	641·0	"	641·0

1847
9
370
350
330
310
290
-4.3
290
310
330
350
370
594
345
335
325
141
330
335
345
485
338
336
334
224
334
336
338
420
338
336
334
272
334
336
338
384

1897. február 27. éjjel.

obj = 300

9^h 35^m temperatura +20.5

370	9	47	35.5	
350			49.7	14.2
330		48	3.4	13.7
310			18.0	14.6
290			32.0	14.0
-4.3		54	50	
290	10	1	36.9	
310			55.4	18.5
330		2	14.0	18.6
350			32.2	18.2
370			51.3	19.1
594.0	±0.2	9	10	
345		16	27.1	
335			39.2	12.1
325			51.8	12.6
141.8		23	30	
330		30	48.9	
335			57.0	8.1
345		31	13.1	16.1
483.3		37	50	
338		45	127	
336			17.0	
334			26.2	
224.75		52	10	
334		59	32.0	
336			37.6	
338			43.3	
420.1		6	35	
338		13	48.2	
336		14	55.4	
334			3.3	
272.05		20	50	
334		28	6.9	
336			16.0	
338			26.8	
384.		35	10	

378	11	42
336		
334		
249.3		49

24.6
34.3
47.1
30

11^h 45^m Lemez + 2.60

1891 febr. 22./23.

325					2445					
48	27.1									
2	29.4	842.3	−10.1							
16	37.8	887.4	+15.4		6021	3586	−22.84		859.56	
30	40.9	829.1	+53.3		7267	4822	+28.35		59.85	
334										
16	40.5									
30	55.4	854.9								
45	21.2	865.8	−10.9		0274	7929	−6.21		59.55	
59	32.0	850.8	+15.0		1761	9316	+8.54		59.34	
14	2.0	871.3	−20.5		9114	0673	−11.66		59.29	
28	6.9	843.6	+27.7		4425	1980	+15.78		59.38	
42	47.1	880.2	−36.6		5835	3190	−20.84		59.36	

335					2445					
48	0.0	858.6								
2	18.6	860.6	+2.0		0101	0565	−1.14		859.46	
16	39.2	857.8	+2.8		4472	2027	+1.60		59.40	
30	57.0									
336										
16	28.0	860.6								
30	58.6	858.4	+2.2		3424	0979	+1.25		59.65	
45	17.0	860.8	−2.2				−.25		59.35	
59	37.6	857.8	+2.8		4472	2027	+1.60		59.40	
13	55.4	860.6	−2.8				−.80		59.00	
28	16.0	858.3	+2.3		9617	1172	+1.01		59.81	
42	34.3									

345					2445					
47	53.1	874.5	+35.0		5441					
2	27.6	839.5	+15.0			2996	+19.94		859.44	
16	27.8	886.0	−46.5		6675	4230	−26.49		59.51	
31	13.1									
338										
16	35.6	986.2								
31	1.8	850.9	+15.3		1847	9402	+8.71		59.61	
45	17.7	870.6	−19.7		2945	0500	−11.72		59.38	
59	43.3	844.9	+25.7		4049	1654	+14.64		59.54	
13	48.2	878.6	−33.7		5276	2831	−19.13		59.41	
28	26.8	834.8	+43.8		6415	3970	24.95		59.75	
42	21.6									

eigentlich korrekturbedürftig: 336.11

	242·5	38471	90932	812	75816	1-2655	133·8	249·6
	196·2	29403	90955	812	75816	03684	108·9	249·4
	159·8	20358	90936	812	75816	94542	88·2	249·7
	129·4	11294	90990	813	75840	85454	71·5	249·8
	105·4	02284	91065	813	75840	76444	58·1	249·7
	85·8	93349	91038	813	75840	67505	47·3	249·7
	69·8	84380	90896	812	75792	58594	38·5	249·7
	56·6	75282	90899	811	75798	49490	31·3	249·7
	45·9	66181						
245	659·2	41·3	61595		75816	35779	22·8	640·7 -
	617·9							
255	621·3	44·1	64444			38628	24·3	641·1 -
	665·4							
250	639·8	2·6	41497		75816	15681	1·4	641·0 -
	642·4	2·5	39794			13978	1·4	641·3 o
	639·9	2·4	38021			12205	1·3	641·0
	642·3	3·0	47712			21896	1·7	641·0+
	639·3	3·6	55630			29814	2·0	640·9
	642·9	4·5	65321			39505	2·5	640·9
	638·4	5·2	71600			45784	2·9	640·7
	643·6							
252	651·2	22·7	35603		75816	09787	12·5 -	641·0 o
	628·5	27·6	44091			18275	15·2	640·9
	650·1							
248	6321·8	18·6	26951		75816	01135	10·3	641·1 o
	651·4	23·2	36549			10733	12·8	641·0
	628·2	28·3	45179			19363	15·6	640·9+
	656·5	34·8	54578			28342	19·2	640·9
	621·7	43·2	63548			37732	23·8	641·1
	664·9	54·1	73370			47504	29·9	640·7
	610·8							
249	635·3	17·6	10037		75816	84221	7·0	640·9+
	647·9	15·4	18752			92936	8·5	641·0
	632·5	18·8	27416			01600	10·4	640·9
	651·3	23·6	37291			11475	13·0	640·7
	627·7							

1891. február 21. éjjel.

hőmérséklet $9^h\ 35^m = +2°.5$

210	9^h	47	11.0	
230			23.0	12.0
250			35.1	12.1
270			47.5	12.4
290			59.8	12.3
559.8		52	50	
290		57	54.1	15.3
270		58	9.4	14.9
250			24.3	15.0
230			39.3	15.7
210			55.0	
9.3	10	3	30	
245		8	51.5	9.2
255		9	0.7	9.3
265			10.0	
455.8		14	10	
265		19	32.1	11.3
255			43.4	11.5
245			54.9	
93.75		24	50	
253		30	20.0	
255			22.8	
257			25.3	
387.3		35	35	
257		41	2.8	
255			6.0	
253			9.3	
148.9		46	20	
253		51	40.0	
255			44.3	
257			48.4	
342.7		56	55	
257	11^h	2^m	23.8	
255			28.9	
253			34.0	
185.1		7	45	
253		12	59.0	
255		13	59.8	
257			12.0	
313.0		18	20	

objektiv = 220

257	11^h	23	44.0
255			51.9
253			59.8
209.1		29	5
253		34	16.7
255			26.2
257			36.0
29 3.65		39	40

Temperatura: $11^h\ 42^m = +3°.67$

1891: február 21: délután

Temperatura: + 2·42 C.

290	11h. 38m.	6·1 +
300	—	13·4 +
310	~~hőé(37)~~	20·7
320	—	28·2 o
330	—	35·4 +
340	—	42·8 −
350	—	50·3
360	—	57·7
340	— 51m.	41·6 −
330	—	51·3 +
320	— 52m.	0·8 o
310	—	10·7
300	—	20·6
290	—	30·7
	fordul	83·2
290	12h — 5m.	73·8
295	—	70·4
300	—	76·5
310	—	49·3
320	— 6m.	2·1 o
330		14·8 +
340	—	28·0 −

fordulópont nem mérhető

340	20m.	11·4 −
330		28·6 +
328		31·7 v
326		35·3 l
320		45·6 o
	fordul	188·0

320	34m.	32·9 o
326		46·4 l
328		51·0 v
330		55·3 +
fordul		434·8
330	49m.	5·0 +
328		11·0 v
326		16·8 l
fordul		248·0
326	1h. 3m.	21·1 l
328	—	29·2 v
330	—	37·0 +
fordul		389·1

Normalnul: + 2·62 C

Elvyakis	d	Eyeny
246·8	0·757	328·5
186·8	757	328·5
141·1		

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320	859·1	330	859·2	340	859·3
〃	859·5	〃	859·3	〃	859·3
〃	859·3	〃	859·4		
328	859·6	〃	859·4	326	859·4
	859·2		859·4		859·2

1891. febr. 21. éjjel

245			2582					
47	32.1	656.0						
58	28.1	623.4	+32.6	5132	2550	+17.99		64.39
8	51.5	663.4	-40.0	6021	3439	-22.08		41.32
19	54.9							
253								
19	45.7	646.8						
8	58.9	634.3	+12.5	0569	8390	+6.90		41.20
30	20.0	649.3	-15.0	1761	9181	-8.28		41.02
41	9.3	630.7	+18.6	2695	0115	+10.27		40.97
51	40.0	654.0	-23.3	3674	1094	-12.86		41.14
2	34.0	625.0	+29.0	4624	2044	+16.01		41.01
12	59.0	660.8	-35.8	5539	2959	-19.77		41.03
23	59.8	616.9	+43.9	6425	3845	+24.24		41.14
34	16.7							

251			2582					
47	38.2	642.4						
58	20.6	640.1	+2.3	3617	1035	+1.27		64.37
9	0.7	642.7	-2.6	4150	1568	-1.44		41.26
19	43.4							
255								
9	0.7	642.7						
19	43.4	639.4	+3.3	5185	2606	+1.82		41.22
30	22.8	643.2	-3.8	5798	3218	-2.10		41.10
41	6.0	638.3	+4.9	6502	4322	+2.71		41.01
51	48.3	644.6	-6.3	7993	5813	-3.48		41.12
2	28.9	636.9	+7.7	8885	6285	+4.25		41.15
13	5.8	646.1	-9.2	9638	7058	-5.08		41.02
23	51.9	634.3	+11.8	0719	8139	+6.52		40.82
34	26.2							

257			2582					
47	44.4	628.7						
58	13.1	656.9	-28.2	4502	1920	-15.56		64.34
9	10.0	622.1	+34.8	5416	2834	+19.20		41.30
19	32.1							
257								
9	2.6	638.5						
19	44.1	644.2	-5.7	7559	4980	-3.15		41.05
30	25.3	637.5	+6.7	8261	5681	+3.70		41.20
41	2.8	645.6	-8.1	9085	6505	-4.47		41.03
51	48.4	635.4	+10.2	0086	7506	+5.63		41.03
2	23.8	648.8	-13.4	1271	8691	-7.40		40.80
13	12.0	632.0	+16.8	2945	9515	+8.94		40.94
23	44.0	652.0	-20.0	3910	0430	-11.04		40.96
34	36.0							

218

1/1812 | 84,55 - 46,66 / 2091

7248 — 1558

12070

10872

11980

10872

1108

A redukciós táblákat nem találtuk, az egyenesség nem számítással. Korrekció nélkül: 255.9

1891. február 20. délelőtt
temperatura: +2.33°C

270	27m.	5.3	−
250		9.6	o
280		13.8	+
280	37m.	55.3	+
250	38m.	0.6	o
270		5.7	−
270	48m.	36.2	−
250		42.6	o
280		49.0	+
280	59m.	27.3	+
260		27.6	v
250		30.2	o
270		37.8	−
270	11h. 9m.	59.3	−
240	10m.	5.6	|
250		8.9	o
260		17.2	v
280		18.3	+
260	20m.	51.8	+
250		55.9	o
240	21m.	0.8	|
220		7.8	−
240	31m.	27.2	|
250		32.2	o
255		34.5	−
260		36.9	v
250	42	26.3	o
240		26.4	|

240	52m.	46.2	|
250		53.5	o
255		57.2	v
260	53m.	0.8	−
260	12h. 3m.	35.9	−
255		40.5	v
250		44.9	o
240		54.0	|
		fordul 52.2	
250	14m.	13.6	o
255		19.1	v
260		24.8	−
		fordul 42.8	
260	24m.	56.6	−
255	25m.	3.3	v
250		10.1	o
		fordul 121.8	
250	35	32.2	o
255		40.7	v
260		49.1	−
		365.3 fordul	
260	46m.	15.9	−
257		22.1	+
255		26.2	v
250		36.7	o
		167.8 fordul	
250	56m.	48.9	o
255	57m.	1.8	v
257		7.0	+
260		14.5	−
		fordul 328.1	
260	7m.	34.1	−
257		43.3	+
255		49.7	v
		fordul 197.8	

temperatura: +7.62

37			
35			
33			
31			
29			
27			
25			
23			
21			
19			
17			
15			
13			
11			
9			
7			
5			
3			

226	Ly.10	250	Ly.10
"	Ly.11	"	Ly.6
4	Ly3.6	"	Ly3.5
"	Ly3.6	260	Ly2.4
"	Ly2.6	"	Ly2.5
240	Ly2.3	"	Ly2.1
"	Ly1.6		
"	Ly1.5		
"	Ly1.3		
245	Ly1.2	"	Ly1.3
"	Ly1.1	"	Ly1.2
"	Ly1.2	"	Ly1.1
"	Ly1.1	"	Ly1.1
"	Ly1.1	254	Ly1.0
"	Ly1.1	"	Ly1.1

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Ly.10 226
Ly.6 " 3
Ly.5 " 3
Ly2.6 " 3
Ly2.5 " 3
Ly2.4 " 3
Ly2.3 240
Ly1.6 " 3
Ly1.5 " 3
Ly1.3 " 3
Ly1.2 245
Ly1.1 " 3
Ly1.2 " 3
Ly1.1 " 3
Ly1.1 " 3
Ly1.1 " 3

Ly1.1 " 3
Ly1.0 254
Ly1.1 " 3
Ly1.1 " 3
Ly1.0 " 3
Ly1.1 " 3
Ly1.2 " 3
Ly1.1 " 3
Ly1.3 " 3
Ly1.2 " 3
Ly1.1 " 3
Ly2.3 260
Ly2.2 " 3
Ly2.1 " 3
Ly2.0 " 3
Ly3.5 " 3
Ly2.4 " 3
Ly2.5 " 3
Ly2.1 " 3
Ly1.0 " 3
Ly1.1 " 3
Ly1.2 " 3
Ly1.3 " 3
Ly1.2 " 3
Ly1.1 " 3
Ly1.1 " 3
Ly1.1

1891. február 20. éjjel. Objektív 290.

9^h 45^m. hőmérséklet = +2°.45.

370	g^h	55.	40.2	
350			54.3	
330		56	8.9	l_0 56m 12,5
310			23.2	
290			38.0	
−5.3 ± 0.2		3	10	
290	10	9	59.3	
310		10	18.2	
330			37.4	l_0' 10h 32,6 s
350			56.5	
370		11	16.4	
576.7		17	30	
340			5.	
330			—	
320		24	57.2	
310		25	10.3	
300			23.1	
136.0		31	40	
325		38	54.9	
320		39	11.3	
335			19.9	
468.3		46	0	
330		53	18.9	
325			29.8	
315			52.1	
216.85		0	20	
323	11	7	44.3	
325			50.2	
327			56.1	
406.95		14	40	
327		22	12	
325			8.7	
323			16.3	
263.0		29	5	
323		36	19.0	
325			29.1	
327			39.4	
371.95		43	25	

327	11^h	50	34.0
325			47.3
323		51	1.0
289.3.		57	45

12^h 0^m Temperatura +2°60

325 $\bar{m}$

$l_0 = 9h.\ 56m\ 12{,}5$

$l_0' = 10h.\ 10m\ 32{,}6$

$l_6 = 11h.\ 22m\ 8{,}7$

$l_6' = 11h.\ 36m\ 29{,}1$

$a = 12.25m\ 56{,}2 = 5156{,}2$

$b = 12.25\ 56{,}5 = 5156{,}5$

$b - a = 0{,}3$

$\frac{a+b}{6(1+\vartheta)1} = 859{,}788 \quad \lambda = 1{,}2 \text{ ad } 0{,}020$

$T_0' = 859{,}408$

13,3 / 665

−5.3	+ 0.212	−3.18								
5767	− 1.95	574.75	577.93	76187	88005	7587	24522	51665	328,58	325.40
136.00	+ 0.30	136.30	438.45	64192	87860	7561	24454	39738	249.68	325.07
468.3	− 0.47	467.83	331.53	52052	87906	7569	24474	27578	188.70	325.00
216.85	+ 0.03	216.88	250.95	39958						

1891. február 24. eljjel. Objektiv 290.

$9^h\ 35^m$ Lemperatura = +2°.41.

290	9	48	36.0	
310			51.9	15.9
330		49	7.4	15.5
350			23.3	15.9
370			39.3	16.0
370	10	2	32.0	
350			52.2	20.2
330		3	12.8	20.6
310			33.8	21.0
290			55.0	21.2
9.2.9		10	10	
310		17	23.0	
320			36.5	13.5
330			50.2	13.7
497.3		24	25	
330		31	45.9	
320		32	4.0	18.1
310			22.1	18.1
191.05		38	50	
321		46	15.0	
323			19.7	
325			24.2	
42.55		53	10	
325	11	0	30.5	
323			36.9	
321			43.1	
247.2		7	30	
321		14	50.4	
323			58.9	
325		15	7.3	
379.95		21	50	
325		29	4.0	
323			15.0	
321			26.1	
279.7		36	10	
321		43	23.7	
323			38.1	
325			52.9	

hőmérs: $11^h\ 45^m$; + 2°,55

1891: február 24. délután

Hőmérséklet: +2·40

280	2h. 20m.	18·3
270	——	24·6 o
260	——	30·8 —
250	——	37·2
240	——	43·3
230	——	49·7

230	30m.	43·0
240	——	50·6
250	——	58·2
260	—	1h. 6·0 —
270	——	13·5 — o
280	—	21·4

270	41m.	47·3 o
265		50·0 +
260		54·7 — —

fokul 70·0

260	— 52m.	26·4 —
265	——	32·4 +
270	—	38·2 o

fokul 422·3

270	3h. 3m.	4·8 o
267	——	9·2 v
265	——	14·9 +
263	——	19·7 1
260	——	19·3 —

fokul 136·2

260	13m.	26·0 —
263		31·2 1
265		34·9 +
267		38·2 v
270	14m.	3·6 o

fokul 368·7

267	24m.	29·2 v
265		33·6 +
263		37·9 1

fokul 180·0

263	35m.	11·8 1
265		17·3 +
267		22·7 v

fokul 333·1

267	25m.	28·5 v
265		33·1 +
264		38·2
263		43m. 1·8 1

fokul 208·7

263	56m.	31·9 1
265		39·8 +
267		48·1 v

fokul 309·2

Hőmérséklet: +2·60 C

Elongatio

352.3
286.1
232.5
188.7
153.1
124.4
101.2

ϑ

0.812
813
812
811
813
813

Eyeniny

264.4
264.5
264.5
264.5
264.4
264.5

I

260 641.2	265	270 641.2
a 641.1		a 641.3
a 641.2	265 641.1	a 641.1
a 641.2	a 641.1	a 641.0
263 641.1	a 641.1	267 640.9
a 641.0	a 640.9	a 641.1
a 641.1	a 641.1	a 641.1
641.1	640.9	a 640.9

1891. febr. 24. éjjel.

2444

310								
48	51.9							
3	33.8	881.9						
		829.2	+52.7	7218	4774	+36.02		859.22
17	23.0		-69.9	8445	6001	-39.82		59.28
32	22.1	859.1						
321								
17	37.9							
		864.3						
32	2.2	852.8	+11.5	0607	8157	+6.54		59.34
46	15.0		-15.3	1847	9309	-8.71		59.39
		868.1						
0	43.1		+20.8	3181	0732	+11.84		59.14
14	50.4	847.3						
		875.7	-28.4	4533	2084	-16.16		59.54
29	26.1							
43	23.7	837.6	+38.1	5809	3365	+21.71		59.31

2444

320								
48	59.7							
		863.6						
3	23.3		+10.4	0170	7726	+5.92		859.12
		853.2						
17	36.5		-14.3	1553	9109	-8.15		59.35
		867.5						
32	4.0							
323								
17	40.6							
		858.0						
31	58.6		-3.1	4914	2464	-1.76		59.34
		861.1						
46	19.7		+3.9	5911	3463	+2.22		59.42
		857.2						
0	36.9		-4.8	6812	4363	-2.73		59.27
		862.0						
14	58.9		+5.9	7709	5250	+3.35		59.45
		856.1						
29	15.0		-7.0	8451	6007	-3.99		59.11
43	38.1	863.1						

2444

330								
49	7.4							
		845.4						
3	12.8		-32.0	5051	2607	-18.23		859.17
		877.4						
17	58.2		+41.7	6201	3757	+23.75		59.45
		835.7						
31	45.9							
325								
17	43.3							
		851.6						
31	54.9		-17.7	2480	0030	-10.07		59.13
		869.3						
46	24.2		+22.6	3541	1093	+12.86		59.66
		846.7						
0	30.5		-30.1	4786	2337	-17.13		59.67
		876.8						
15	7.3		+40.1	6031	3582	+22.81		59.51
29	4.0	836.7						
43	52.9	888.9	-52.2	7177	4733	-29.44		59.46

92.9	+0.63	93.53	403.03	60534				
497.3	-0.74	496.56	305.43	48491	87957	07578	24497	36037	229.28	322.81
191.05	+0.08	191.13	231.23	36404	87913	7571	24480	24011	173.82	322.74
422.55	-0.19	422.36	175.15	24341	87937	7575	24490	11914	131.56	322.69
247.2	+0.01	247.21	132.68	12280	87939	7575	24490	99851	99.66	322.70
379.95	-0.06	379.89	100.19	00083	87803	7552	24433	87847	75.59	322.80
279.7	0.00	279.70								

263	636.5	10.2	00860	25.816		
	644.4	12.8	10721			
	633.9	16.1	20683			
	650.0	19.4	29825			
	630.1					

264	644.0	18.0	25424	23.816		
	637.0	22.5	35218			
	653.5	27.4	44248			
	642.8	33.8	52892			
	657.6					

265	642.4	2.9	46240	25.816		
	639.5	3.5	54407			
	643.0	4.3	63274			
	638.4	5.0	69927			
	643.4	5.9	73085			
	637.8	6.9	83825			
	644.4					

266	635.2	1.5	13033	25.816		
	648.4	1.40	23045			
	631.4	2.1.2	32634			
	652.9	26.2	41830			
	642.4					

270	648.9	17.1	23300	25.816		
	631.8	21.1	32728			
	652.9	26.3	41996			
	626.6	32.2	50428			
	658.8					

273	635.2	1.5	13033	25.816		
	648.4	1.40	23045			
	631.4	2.1.2	32634			
	652.9	26.2	41830			
	642.4					

275	642.4	2.9	46240	25.816		
	639.5	3.5	54407			
	643.0	4.3	63274			
	638.4	5.0	69927			
	643.4	5.9	73085			
	637.8	6.9	83825			
	644.4					

279	644.0	9.9	94997	25.816		
	637.0	12.4	09502			
	651.1	15.3	18432			
	644.9	18.4	23076			
	640.9					

280	635.2	1.5	13033	25.816		
	648.4	1.40	23045			
	631.4	2.1.2	32634			
	652.9	26.2	41830			
	642.4					

284	641.2	4.5	87214	25.816		
	644.1	9.4	97229			
	641.2	11.4	06818			
	641.2	14.5	16014			
	644.2					

285	641.2	9.4	93484	25.816		
	641.3	11.6	00612			
	641.0	14.5	16081			
	644.2	17.8	24940			
	641.2					

286	644.5	2.9	46270	25.816	28845	19.4
	639.5	3.5	54407	25.810	10812	15.8
	643.0	4.3	63274	25.816	10822	12.3
	638.4	5.0	69927	25.790	01284	10.2
	643.4	5.9	73085	25.810	02658	8.4
	637.8	6.9	83825	25.410	83642	6.8
	644.4					

352.3	644.1	2.9	46270	812		
286.1	648.2	3.5	54407	813		
232.5	644.2	4.3	63274	812		
188.4	644.2	5.0	69927	811		
153.1	644.2	5.9	73085	813		
124.4	644.2	6.9	83825	813		
103.2	644.2					

1891. február 25. délelőtt. Objektiv : 290

$10^h\ 31^m$ hőmérséklet = +2°.40

290	10	44	41.2	
310			55.1	13.9
330		45	9.2	14.1
350			23.1	13.9
370			38.9	15.8
370		59	53.0	
350			11.0	18.0
330			29.4	18.4
310			48.0	18.6
290	11	0	7.1	19.1
73.05		6	20	
310		13	35.1	
330			47.5	12.4
340		14	0.0	12.5
526.75		20	40	
340		27	52.8	
330		28	9.0	16.2
320			25.0	16.0
183.2		35	0	
329		42	24.0	
331			28.0	
333			32.1	
442.9		49	20	
333		56	40.2	
331			46.0	
329			51.5	
2462	0^h	3	40	
329		11	0.0	
331			7.4	
333			15.0	
394.95		18	0	
333		25	14.2	
331			24.1	
329			34.0	
282.3		32	20	
329		39	34.1	
331			46.9	
333		40	0.0	

Kemper : $0^h\ 35^m + 2°.60$

1891. februar 25. délután

hőmérséklet: +2·48

230	2h. 9m.	39.0	
240	——	42.0	
250	——	43.1	
260	——	48.1	
270	——	51.2	—
		fut.	223.4
270	20m.	33.3	—
260	"	36.7	°
250	"	40.6	
240	"	44.4	
230	"	48.3	
		fut.	203.3
260	31m.	11.0	°
270		15.5	—
280		20.4	1
		fut.	46.9
280	41m.	50.7	1
270		56.3	—
260	47m.	2.0	°
		fut.	109.0
260	52m.	32.0	°
265		35.6	v —
270		39.0	—
275		42.5	—
280		46.01	
		fut.	195.1
280	3h. 3m.	5.9	1
275	——	14.2	+
270	——	18.6	—
265	——	22.8	v
260	——	27.20	
		fut.	88.7

265	13m.	56.6	v
270	14m.	1.9	—
275	"	7.3	+
		fut.	442.3
275	24m.	33.8	+
270	——	40.3	—
268	——	44.3	1
265	——	46.8	v
		fut.	128.0
265	33m.	16.7	v
268		21.4	1
270		25.0	—
275		33.1	+
		fut.	383.2
270	46m.	1.5	—
268		5.3	1
265		11.4	v
		fut.	175.8
265	56m.	36.0	v
268		43.3	1
270		48.0	—
		fut.	344.2
270	4h. 7m.	22.3	—
268	——	28.3	1
265	——	37.3	v
		fut.	707.3

hőmérséklet + 2·60

Elongatio

387·2
314·3
255·2
207·4
168·4
136·9

d

0·812
812
813
812
813

I

260	642·2	270	642·1	280	~
"	641·8	"	641·6		~
"	641·6	"	641·7	"	641·5
"	641·3	"	641·3	"	641·2
265	641·2	"	641·3	275	641·3
"	641·1	"	641·1	"	641·2
"	641·1	"	641·2	"	641·2
	641·0		641·0	268	641·2
	641·2		641·0		641·3
	641·0		641·0		641·1

Eyenny

268·8
268·8
268·8
268·7
768·7

1891 február 25-ei. délelőtt.

320				2448				
45	2.2							
59	38.7	876.5	+40.1	6031	3583	+22.82	859.22	
13	35.1	836.4	-53.5	7284	4836	-30.45	59.45	
28	25.0	889.9						
329								
13	46.3							
28	10.6	864.3	+10.9	0374	7934	+6.20	59.60	
2	24.0	853.4	-14.1	1492	9043	-8.02	59.48	
56	51.5	867.5	+19.0	2788	0339	+10.81	59.31	
11	0.0	848.5	-25.5	4065	1618	-14.51	59.49	
25	34.0	874.0	+33.9	5302	2854	+19.29	59.39	
39	34.1	840.1						

330				2448				
45	9.2							
59	29.4	860.2	+2.1	3222	0774	+1.19	859.29	
13	47.5	858.1	-3.4	5315	2867	-1.93	59.57	
28	9.0	861.5						
331								
13	48.8							
28	7.4	858.6	-2.0	3010	0560	-1.14	59.46	
42	28.0	860.6	+2.6	4150	1701	+1.48	59.48	
56	46.0	858.0	-3.4	5315	2866	-1.93	59.47	
11	7.4	861.4	+4.7	6721	4274	+2.67	59.37	
25	24.1	856.7	-6.1	7853	5405	-3.47	59.33	
39	46.9	862.8						

340				2448				
45	16.2							
59	20.2	844.0	-35.8	5539	3091	-20.38	859.42	
14	0.0	879.8	+47.0	6721	4273	+26.75	59.55	
27	52.8	832.8						
333								
13	51.3							
28	4.1	852.8	-15.2	1818	9368	-8.65	59.35	
42	32.1	868.0	+19.9	2989	0540	+11.32	59.42	
56	40.2	848.1	-26.7	4265	1816	-15.18	59.61	
11	15.0	874.8	+35.6	5514	3067	+20.27	59.47	
25	14.2	839.2	-46.6	6684	4236	-26.52	59.28	
40	0.0	885.8						

23.05	+0.85	73.90	451.75	65490							
526.75	-1.10	525.65	342.35	53447	87957	07578	24497	40993	257.00	330.90	
183.2	+0.10	183.30	259.30	41380	87933	7574	24487	28960	194.80	330.85	
442.9	-0.30	442.60	196.39	29312	87932	7574	24487	16893	147.55	330.85	
246.2	+0.01	246.21	148.65	17217	87905	7569	24474	04838	111.78	330.82	
394.95	-0.09	394.86	112.56	05138	87921	7572	24482	92735	84.60	330.81	
282.3	0.00	282.30									

Elongation

466·4
378·7
307·2
249·5
202·7
164·7
133·8
108·7
88·2
71·6

d

0·812
811
812
812
813
812
812
811
812

Eyepiece

267·0
266·9
266·8
266·8
266·8
266·8
266·8
266·8
266·8

I

260 642·0	270 641·9	280 641·8
" 641·6	" 641·4	" 641·4
265 641·5	" 641·3	275 641·3
" 641·3	" 641·2	" 641·3
" 641·3	" 641·1	" 641·2
" 641·0	" 641·1	" 641·0
" 641·0	" 641·2	267 641·0
" 641·1	" ~	" 641·1
" 640·9	" ~	" 640·9
" 641·1	268 641·0	" 641·0
266 641·1	" 641·1	" 641·1
" 641·0	" 641·0	" 641·0

1891: február 26. délután

temperatura + 2·38 C

230	10h. 30m.	18·2	
240		22·1	
250		25·9	
260		29·4 +	
270		33·3 o	
280		37·3 –	
		fudul 9·6	
280	41m.	8·2 –	
270		12·8 o	
260		17·6 +	
250		22·4	
240			
230		27·2	
		32·0	
		fudul 97·3	
260	51m.	51·9 +	
265		54·3 v	
270		57·6 o	–
275		52m. 0·5 –	1
280		3·9 –	
		fudul 476·0	
280	12h. 2m.	27·7 –	
275		31·3 1	
270		35·9 o	
265		38·4 v	
260		42·3 +	
		fudul 218·1	
265	13m.	16·7 v	
270		21·2 o –	
275		25·6 1	
		fudul 63·5	
275	23m.	50·8 1	
270		56·2 o	
265	24m.	1·6 v	
		fudul 97·3	

265	34	38·4 v	
267		41·0 –	
270		44·8 o	
275		51·7 1	
		fudul 404·5	
275	45m.	8·3 1	
270		16·7 o	
267		21·2 o –	
265		24·6 v	
		fudul 155·0	
265	55m.	59·2 v	
267	56m.	3·2 –	
270	4	9·3 o	
		fudul 357·7	
268	12h. 6m.	40·8 +	
267		44·2 –	
265		48·3 v	
		fudul 193·0	
265	17m.	19·1 v	
266		22·2 1	
267		25·3 –	
268		28·3 +	
		fudul 326·8	
268	28m.	1·3 +	
267		5·0 –	
266		9·0 1	
265		12·8 v	
		fudul 218·1	
266	38m.	43·0 1	
267		47·8 –	
268		52·4 +	
		fudul 306·3	
268	49m.	21·3 +	
267		26·8 –	
266		32·6 1	
		fudul 234·7	

Temperatura: + 2·60 C

1891. február 27. eljed.

$9^h 35^m$ Temperatura = +2°.11

290	9^h	40^m	34.9		
270			45.0	10.1	
250			55.0	10.0	
230		41	5.0	10.0	
210			15.2	10.2	
210		50	49.1		
230		51	2.0	12.9	
250			14.0	12.0	
270			26.1	12.1	
290			38.9	12.8	
570.2		56	40		
290	10	1	52.1		
270		2	7.7	15.6	
250			23.0	15.3	
2.695		7	20		
260		12	39.7		
270			49.0	9.3	
280			58.1	9.1	
467.2		2-5'-val elkésve.			
280		23	18.3		
270			30.0	11.7	
260			41.9	11.9	
109.8		28	40		
260		33	57.1	14.3	
270		34	11.4		
280			28.9	14.5	
400.0		39	25		
280		44	34.7	17.3	
270			52.0		
260		45	9.8	17.9	
164.1		50	0		
260		55	12.2		
270			33.9	21.7	
280			55.2	21.3	
355.75	11	0	45		

Objektiv 215

272	11	6	8.8	
270				
268			13.9	
200.05		11	19.1	
268		16	25	
270			49.8	
272		17	56.0	
326.3		22	3.0	
272		27	5	
270			17.6	
268			35.5	
223.85		32	43.8	
268		38	40	
270			9.0	
272			18.5	
			28.4	

$11^h 40^m$ Temperatura = +2°.52

1891: február 27 délután

Légnyomás + 2·33

370	10h. 30m.	2·3	
360		7·9	
350		13·3	o
340		18·8	—
330		24·4	
320		30·0	
310		35·4	
300		41·2	
290		46·9	

310	44m.	8·4	
320		15·6	
330		22·8	
340		30·1	—
350		37·3	o —
360		44·6	
370		51·0	
380		59·4	

350	58m.	5·6	o
345		55·4	+
340	59m.	0·3	—

fordul 98·1

340	11h. 13m.	5·2	—
345		11·5	+
347		14·2	v
350		17·9	o

fordul 535·5

350	27m.	27·2	o
347		32·2	v
345		35·3	+
340		43·8	—

fordul 204·3

345	41m.	48·9	+
347		53·3	v
348		55·31	
350		60·0	o

fordul 454·9

350	56m.	2·0	o
348		7·7	1
347		10·6	v
346		13·4	ϕ
345		16·2	+

fordul 265·2

345	12h. 10m.	24·8	+
346		28·5	ϕ
347		32·4	v
348		36·31	

fordul 408·7

348	24m.	44·1	1
347		49·2	v
346		54·4	ϕ

fordul 300·0

346	29m.	5·0	ϕ
347		11·2	v
348		18·61	

fordul 382·3

hőmérséklet + 2·00

1	859.3	1 859.3
2	859.6	376 859.6
3	859.2	378 859.4
4	859.5	1 859.5
5	859.3	374 859.4
6	859.4	1 859.4
7	859.3	
8	859.4	380 859.4
9	859.4	382 859.4

I

2582

260					
40	50.0				
51	20.1	630.1			
2	15.4	655.3	−25.2	4014	1432	−13.91	641.39
12	39.7	624.3	+31.0	4914	2332	+17.11	41.41
23	48.9	686.2	−37.9	5786	3201	−20.90	41.30
33	57.1	615.2	+47.0	6721	4139	+25.94	41.14
45	9.8	672.7	−57.5	7597	5012	−31.71	40.95
55	22.2	602.4	+70.3	8470	5886	+38.78	41.18

262							
44	55.6						
55	29.6	634.0					
6	19.1	649.5	−15.5	1903	9319	−8.55	40.95
16	49.8	630.7	+18.8	2742	0160	+10.38	41.08
27	43.8	654.0	−23.3	3674	1094	−14.81	41.14
38	9.0	625.2	+28.8	4594	2014	+15.90	41.10

2582

270					
40	45.0				
51	26.1	641.1			
2	7.7	641.6	−0.5	6990	4808	−0.28	641.32
12	49.0	641.3	+0.3	4771	2189	+0.17	41.47
23	30.0	641.0	+0.3	4771	2186	+0.17	41.17
34	11.4	641.4	−0.4	6021	3439	−0.22	41.18
44	52.0	640.6	+0.8	9031	6446	+0.44	41.04
55	33.9	641.9	−1.3	1139	8575	−0.72	41.18

270							
44	52.0						
55	33.9	641.9					
6	13.9	640.0	+1.9	2782	0204	+1.04	41.04
16	56.0	642.1	−2.1	3222	0640	−1.16	40.94
27	35.5	639.5	+2.6	4457	2570	+1.81	41.31
38	16.5	643.0	−3.5	5441	2982	−1.93	41.07

2582

280					
40	39.9				
51	32.5	652.6			
1	59.9	627.4	+25.2	4014	1432	+13.91	641.31
12	58.1	658.2	−30.8	4886	2304	−17.00	41.20
23	58.9	620.2	+38.0	5798	3213	+20.96	41.16
34	25.9	667.6	−47.4	6758	4176	−26.16	41.44
44	34.7	608.8	+58.8	7694	5109	+32.42	41.22
55	55.2	680.5	−71.7	8555	5971	−39.55	40.95

282							
44	48.5						
55	38.2	649.7					
6	8.8	630.6	+19.1	2810	0226	+10.54	41.14
17	3.0	654.2	−23.6	3729	1147	−13.02	41.18
27	27.6	624.6	+29.6	4713	2133	+16.34	40.84
38	28.4	680.9	−36.2	5587	3007	−19.98	40.82

570.2	− 3.66	566.54	539.04	73162					
26.95	+ 0.55	27.50			98023	0.8133	25847	47375	297.27	269.27
467.2	− 1.32	465.88	438.38	64185	90958	8120	25816	38369	241.93	269.43
109.8	+ 0.10	109.90	355.98	55143	91034	8135	25852	29291	196.30	269.58
400.0	− 0.52	399.48	289.58	46177	90998	8128	25835	20342	159.74	269.64
164.1	+ 0.01	164.11	235.37	37175	91021	8132	25845	11330	129.81	269.67
355.75	− 0.23	355.52	191.41	28196	90969	8123	25823	02373	105.62	269.73
200.05	+ 0.00	200.05	155.47	19165	90921	8114	25802	93363	85.83	269.69
326.3	− 0.11	326.19	126.14	10086	90919	8113	25800	84286	69.64	269.69
223.85	+ 0.00	223.85	102.34	01005						

1891. február 27. e[illegible].

330 2447

24 0.1	844.6					
38 4.7		−33.8	5289	2842	−19.24	859.16
52 43.1	878.4	+44.5	6484	4037	+25.33	59.23
6 37.0	833.9	−59.4	7738	5291	−33.82	59.48
21 30.3	893.3	478.5	8949	6499	+44.66	59.46
35 5.1	874.8					

340

21 15.0	850.2					
35 25.2		−21.5	3324	0876	−12.24	59.46
49 56.9	871.7	+28.6	4564	2116	+16.28	59.38
4 0.2	843.1	−37.9	5786	3337	−21.57	59.43
18 41.0	881.0	+50.0	6990	4543	+28.47	59.47
32 32.0	831.0					

340 2447

23 55.1	856.3					
38 11.4		−6.3	7993	5546	−3.59	859.01
52 34.0	862.6	+7.7	8865	6418	+4.38	59.28
6 48.9	854.9	−11.2	0492	8045	−6.37	59.73
21 15.0	866.1	+15.9	2074	9564	+9.04	59.24
35 25.2	850.2					

342

21 11.9	857.4					
35 29.3		−4.4	6435	3987	−2.51	59.29
49 51.1	861.8	+5.7	7559	5111	+3.24	59.34
4 7.2	856.1	−8.6	9345	6896	−4.89	59.81
18 31.9	864.7	+12.1	0828	8381	+6.89	59.49
32 44.5	852.6					

350 2447

23 50.0	868.1					
38 18.1		+20.7	3160	0713	+11.79	859.19
52 25.5	847.4	−27.3	4362	1915	−15.54	59.16
7 0.2	874.7	+35.5	5502	3055	+20.21	59.41
20 59.4	839.2	−47.2	6739	4289	−26.84	59.56
35 45.8	886.4					

344

21 8.8	864.6					
35 33.4		+11.7	0682	8234	+6.66	59.56
49 46.3	852.9	−15.0	1761	9313	−8.54	59.36
4 14.2	867.9	+20.9	3201	0752	+11.89	59.89
18 22.2	847.0	−27.7	4425	1978	−15.77	58.93
32 56.9	874.7					

72.95	+ 0.79	73.74							
548.0	− 1.50	546.50	47276	67464	87953	0.7578	24497	42967	268.95	342.69
188.2	+ 0.07	188.27	35823	55417	87925	7573	24484	30933	203.86	342.64
460.0	− 0.45	459.55	27128	43342	87928	7573	24484	18858	154.38	342.65
254.1	+ 0.00	254.10	20545	31270	87942	7576	24492	06778	116.89	342.66
409.9	− 0.16	409.74	15564	19212	87881	7565	24465	94747	88.61	342.71
292.0	+ 0.00	292.00	11774	07093						

1891. február 28. este

1891. február 28. este.

objektiv: 285

6^h 10^a temperatura = +2°.38

370	6^h	23	39.9	10.1
350			50.0	
330		24	0.1	10.1
310			10.3	10.2
290			20.4	10.1
290		37	38.2	13.0
310			51.2	
330		38	4.7	13.5
350			18.1	13.4
370			31.2	13.1
350		52	25.5	18.5
340			34.0	
330			43.1	9.1
72.95		59	25	
330	7^h	6	27.0	11.9
340			48.9	
350		7	0.2	11.3
548.0		13	55	
350		20	59.4	15.6
340		21	15.0	15.3
330			30.3	
188.2		28	0	
330		35	5.1	20.1
340			25.2	20.6
350			45.8	
460.0		42	20	
344		49	46.3	
342			51.1	5.8
340			56.9	Idan ? (~~[illegible]~~ 55.5)
254.1		56	40	
340	8	4	0.0	
342			7.2	
344			14.2	
409.9		11	0	
344		18	22.2	
342			31.9	
340			41.0	
292.0		25	25	

340	8^h	32	32.0
342			44.5
344			56.9

8^h 30^a temperatura +2°.50

1891. Januar 28. Aldehyd

temperatura + 2·31.

230	11h.	22m.	53·3
235		23m.	1·5
240			9·7
245			18·0
250			26·0
255			39·1
260			42·3
265			50·3
270			58·3 −
275		24m.	6·5 +
280			14·2 0
		fehlt	386·3
280		34m.	31·8 0
275			41·8 +
270			51·8 −
		fehlt	181·9
270		45m.	17·3 −
273			25·0 1
275			29·9 + 1
280			42·2 0
		fehlt	348·0
280		55m.	9·0 0
275		56m.	2·4 +
274			5·2 0
273			8·1 1
270			17·6 −
		fehlt	213·0
270	12h.	6m.	35·1 −
273			46·3 1
274			50·1 0
275			54·0 +
		fehlt	322·7

275	17m.	21·8 +	
274		26·5 − 0	
273		30·9 1	
	fehlt	233·5	
273	28m.	7·4 1	
274		13·0 0	
275		18·5 +	
	fehlt	306·0	
275	38m.	50·7 +	
274		57·5 − 0	
273		54·5 1	
	fehlt	247·1	
273	49m.	27·7 1	
274		36·3 0	
275		44·3 +	
	fehlt	294·9	

Temperatura a: +2·50

Elongatio	d	Eigenmaß
204·4	0·813	273·6
166·1	813	273·5
135·0	813	273·5
109·7	813	273·5
89·2	813	273·6
72·5	812	273·5
58·9	812	273·5
47·8		

I

270	641·0	275	641·0	280	640·9
"	641·1	"	641·1	"	641·0
"	641·1	"	641·1	273	640·9
274	641·1	"	640·9	"	641·1
"	640·9	"	640·8	"	641·0
"	641·1		641·2	"	641·2
"	640·9		640·7	"	640·9